



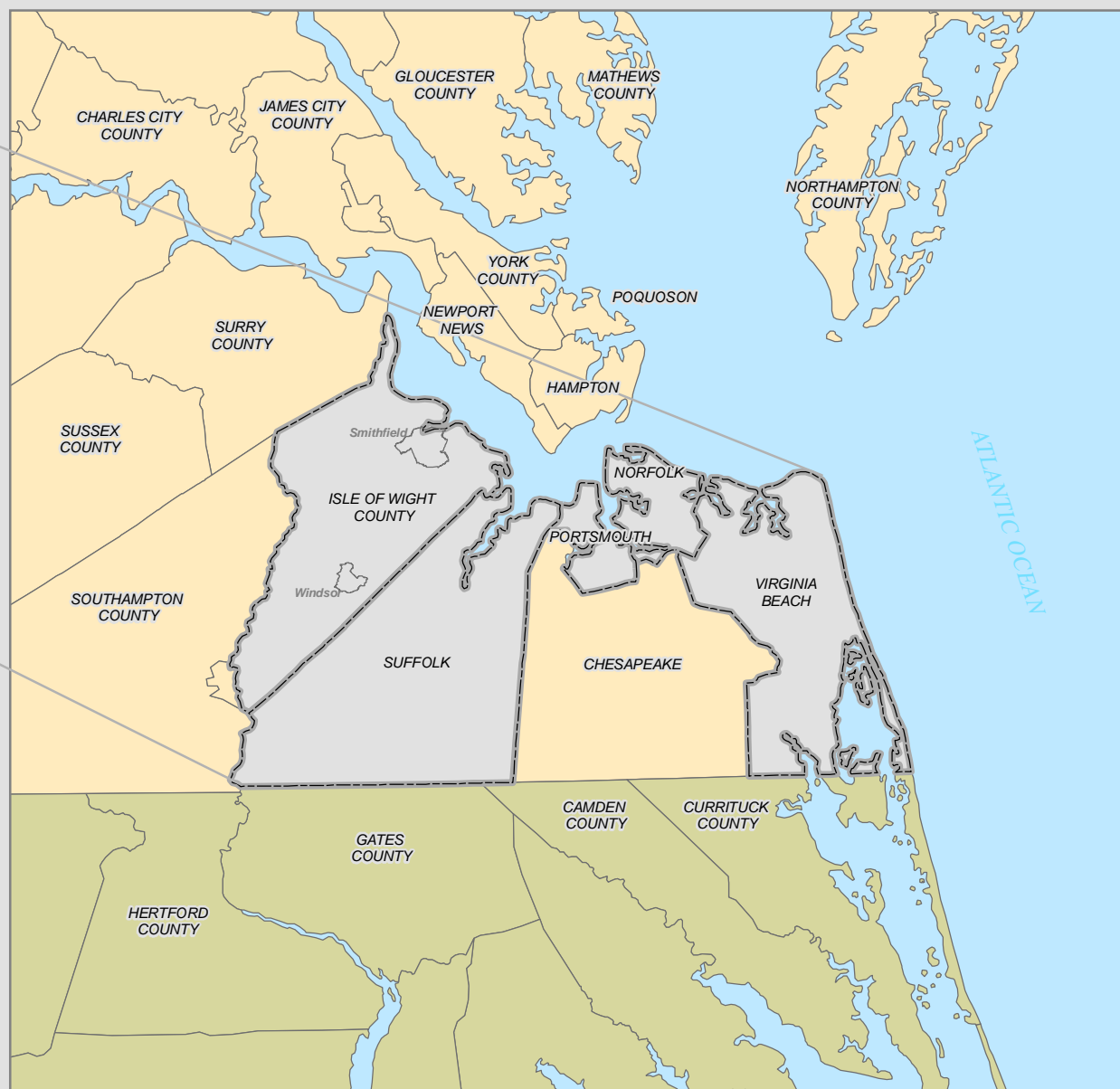




**FIGURE 3.1
ORIENTATION MAP**

-  Town Boundaries
-  Regional Planning Area
-  Virginia Jurisdictions
-  North Carolina Counties



0 3.75 7.5 15 22.5 30 Miles

SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: The National Atlas

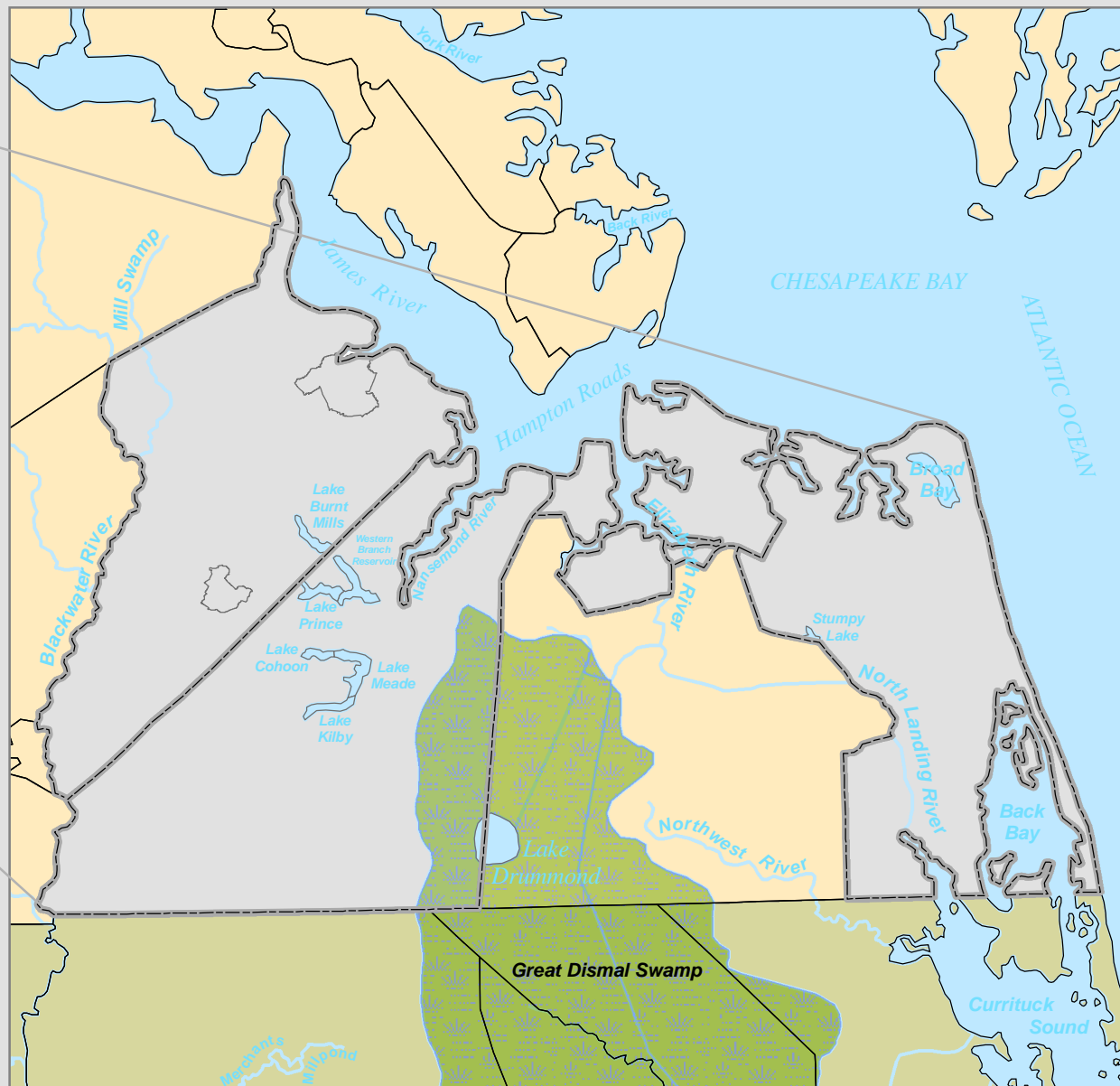
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**FIGURE 3.2
MAJOR HYDROLOGY**

- Major Hydrology
- Great Dismal Swamp
- Town Boundaries
- Regional Planning Area
- Virginia Jurisdictions
- North Carolina Counties

0 2.5 5 10 15 20 Miles



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: The National Atlas

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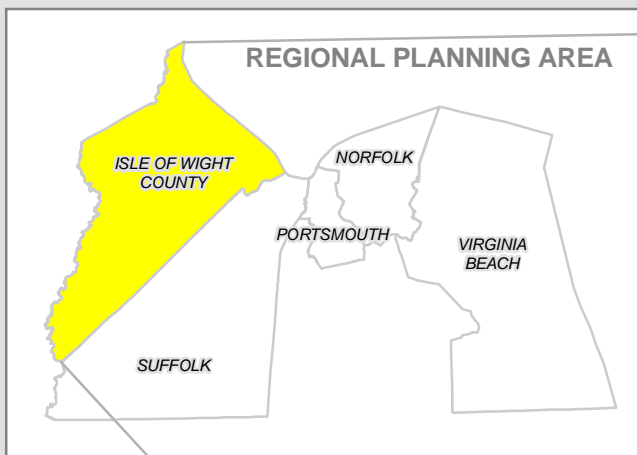
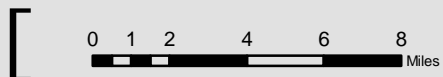


FIGURE 4.1
SPECIAL FLOOD HAZARD AREAS:
ISLE OF WIGHT COUNTY

- 100-year Floodplain (Zone A)
- 100-year Floodplain (Zone AE)
- 500-year Floodplain
- Flood Zone VE
- Hydrology
- Railroad
- Major Road
- Secondary Road
- Smithfield
- Windsor
- Isle of Wight County

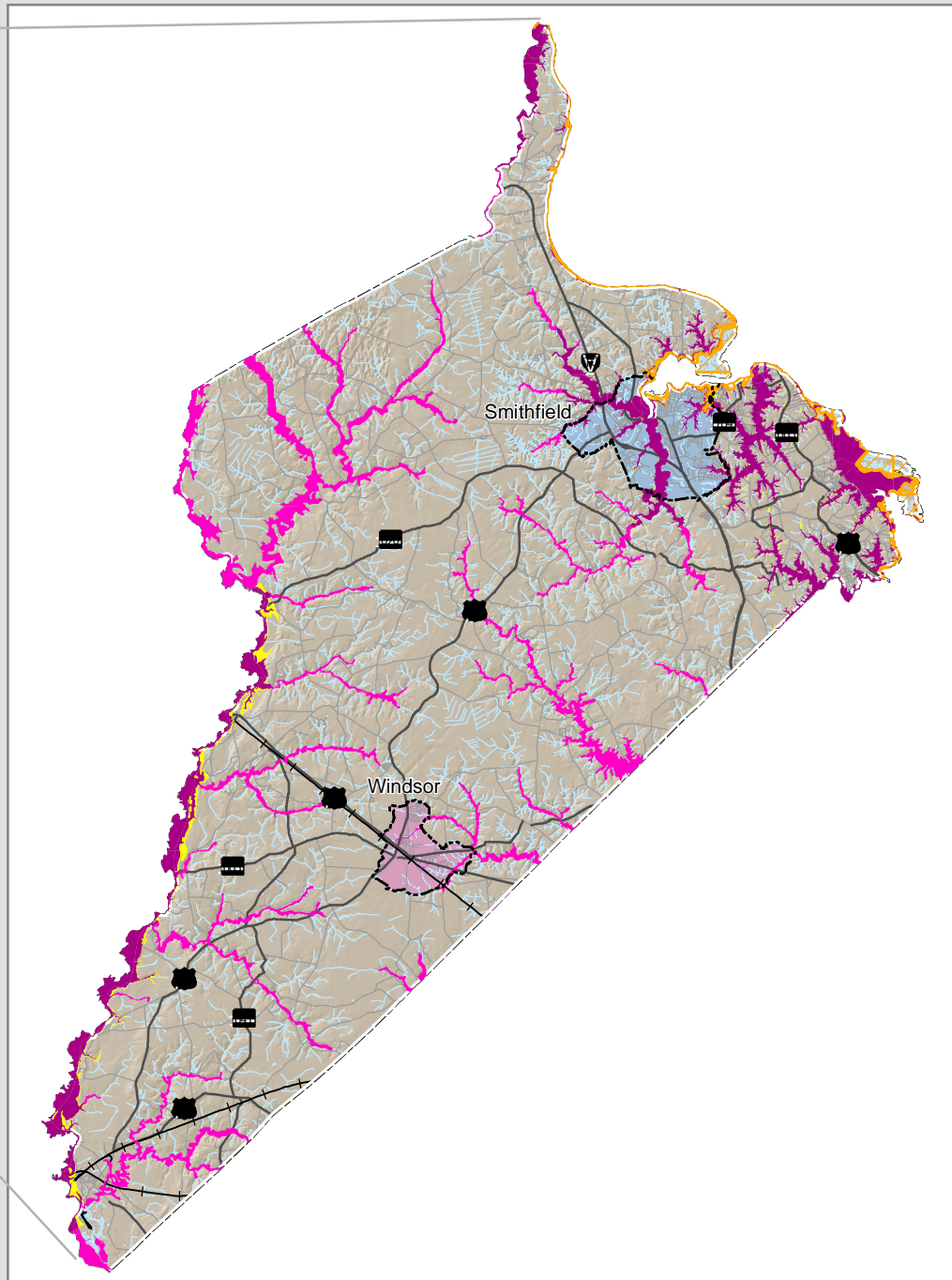
Data Sources: Isle of Wight County;
 Federal Emergency Management Agency

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SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN





PREPARED BY:



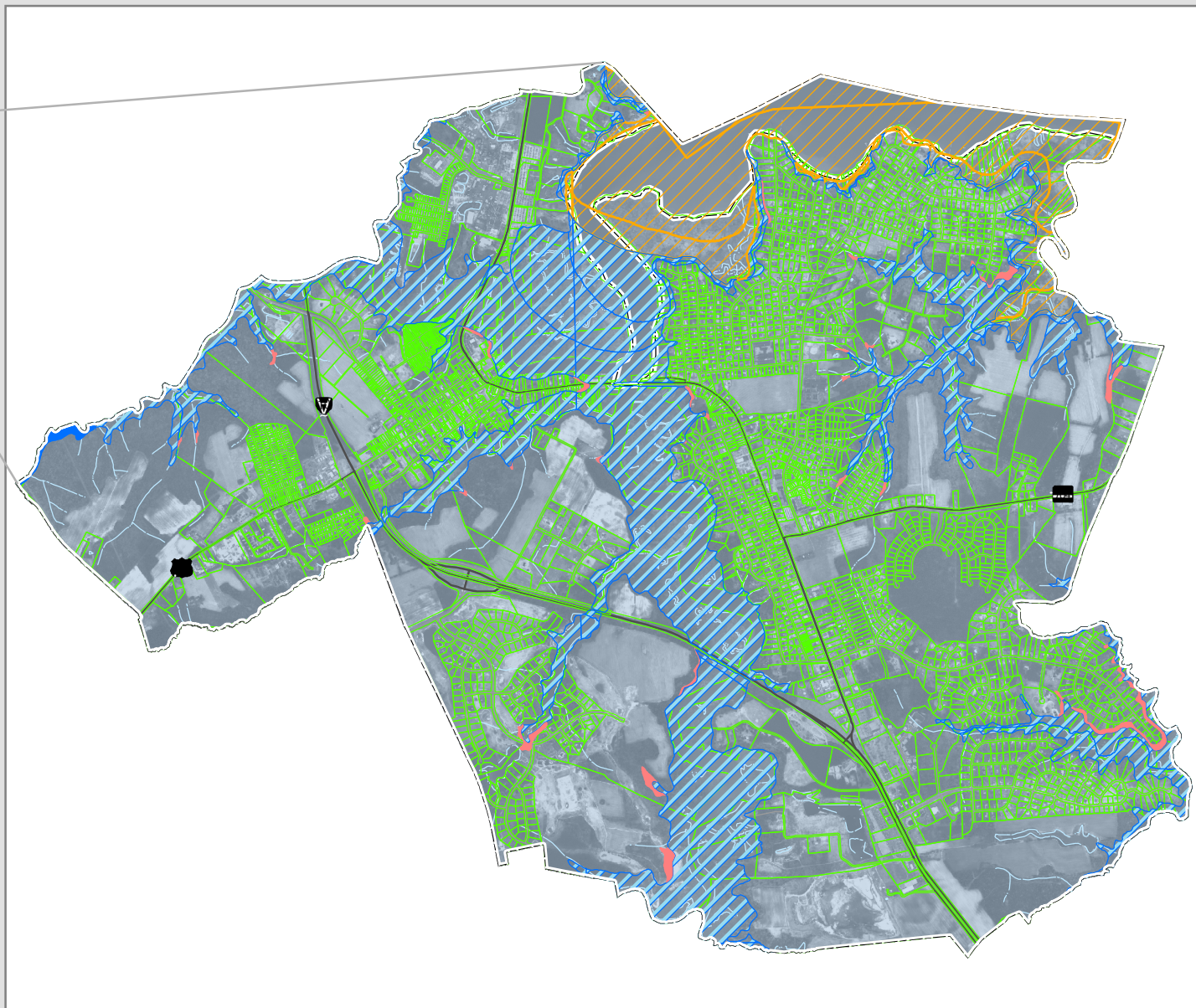
LOCAL PLANNING AREA



FIGURE 4.2
SFHAs:
SMITHFIELD

-  100-year Floodplain (Zone AE)
-  100-year Floodplain (Zone A)
-  500-year Floodplain
-  Flood Zone VE
-  Parcel
-  Hydrology
-  Railroad
-  Major Road
-  Secondary Road
-  Smithfield

0 0.125 0.25 0.5 0.75 1
Miles



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: Isle of Wight County;
Federal Emergency Management Agency

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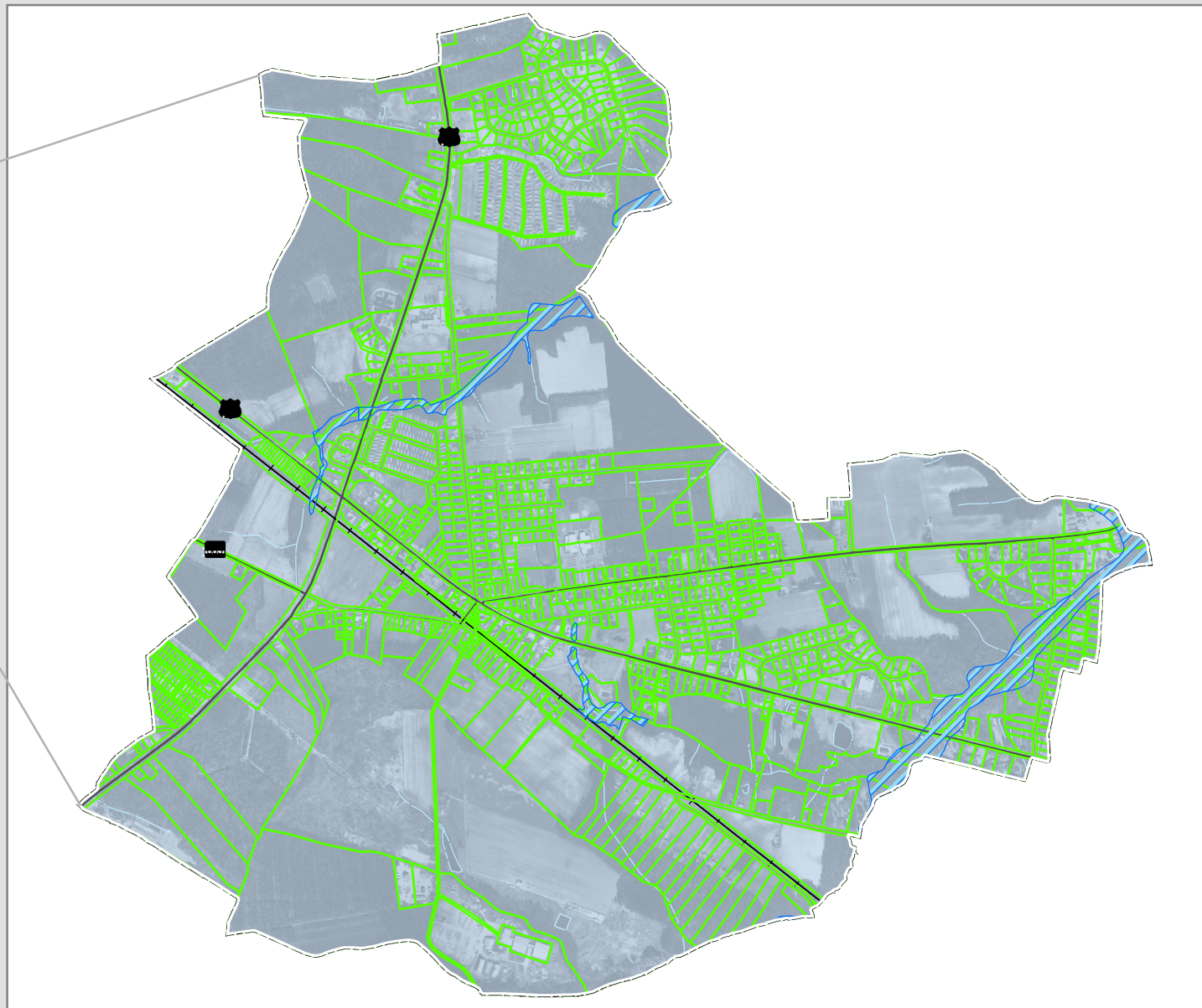
LOCAL PLANNING AREA



FIGURE 4.3
SFHAs:
WINDSOR

-  100-year Floodplain (Zone A)
-  Parcel
-  Hydrology
-  Railroad
-  Major Road
-  Secondary Road
-  Windsor

0 0.1 0.2 0.4 0.6
Miles



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: Isle of Wight County;
Federal Emergency Management Agency

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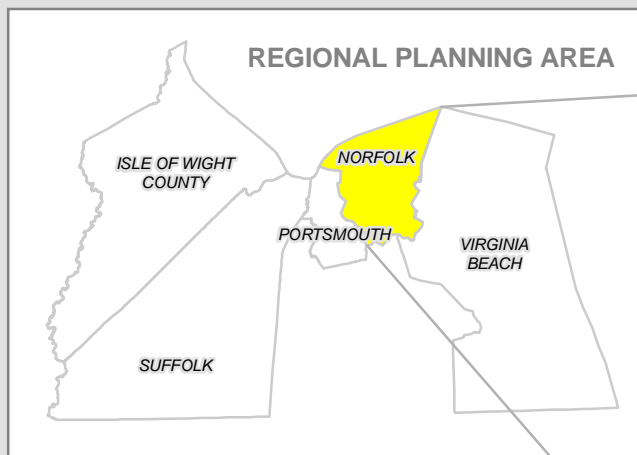
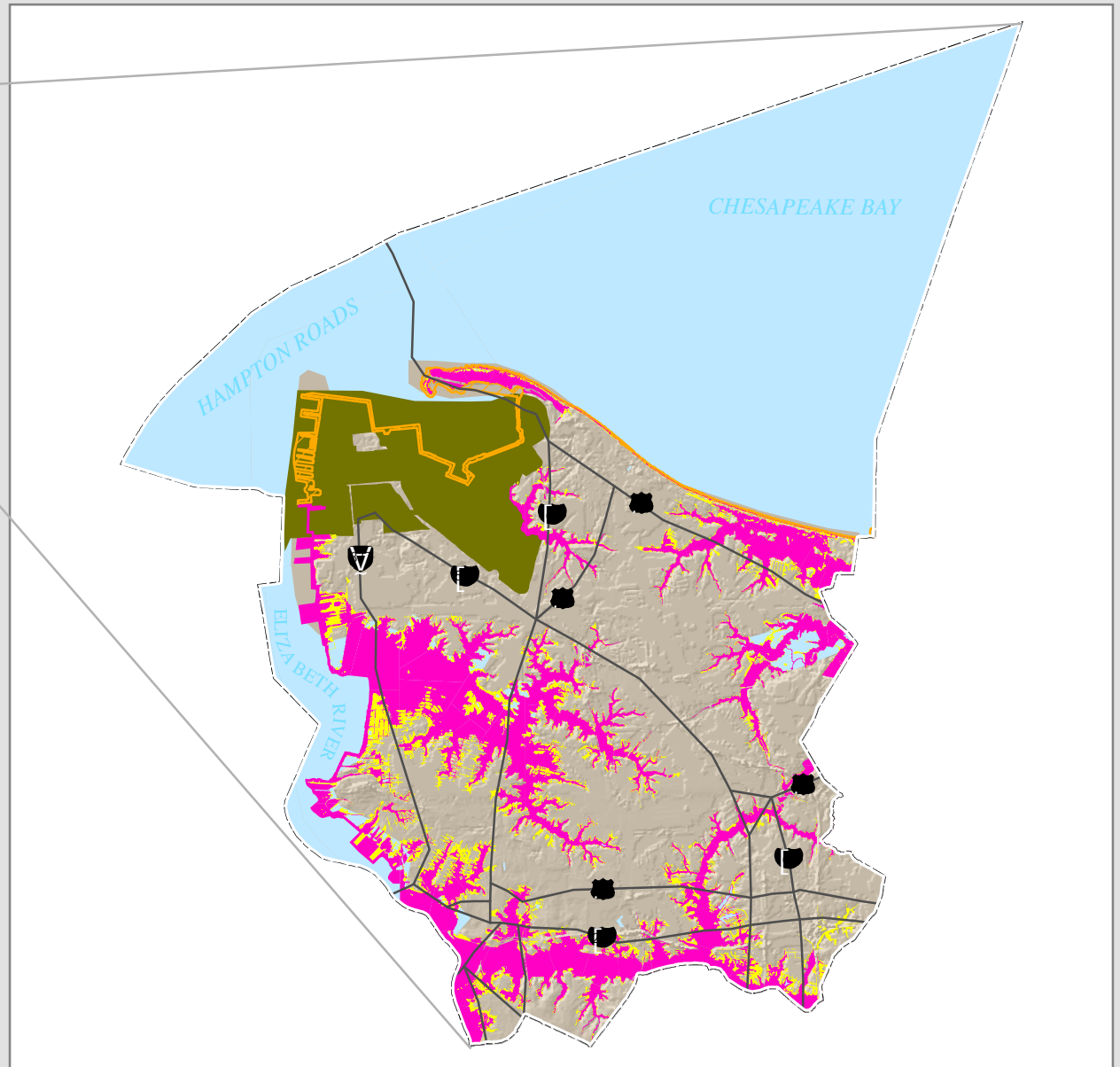


FIGURE 4.4
SPECIAL FLOOD HAZARD
AREAS: NORFOLK

- 100-year Floodplain (Zone AE)
- 500-year Floodplain
- Flood Zone VE
- Major Roads
- Lakes, Ponds and Water Bodies
- Naval Base Norfolk
- Norfolk

0 0.5 1 2 3 4
 Miles



SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: City of Norfolk; The National Atlas
 Federal Emergency Management Agency

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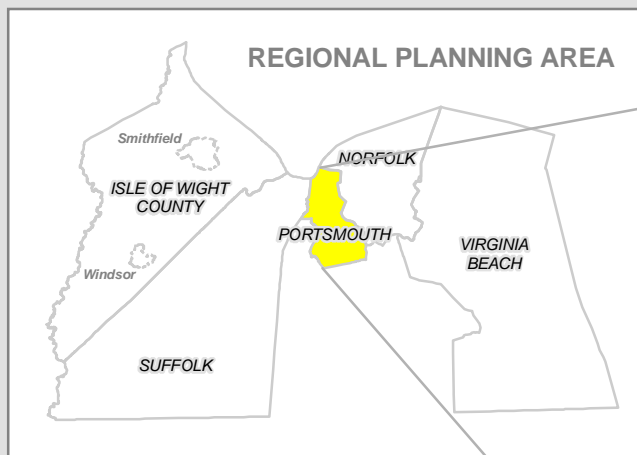
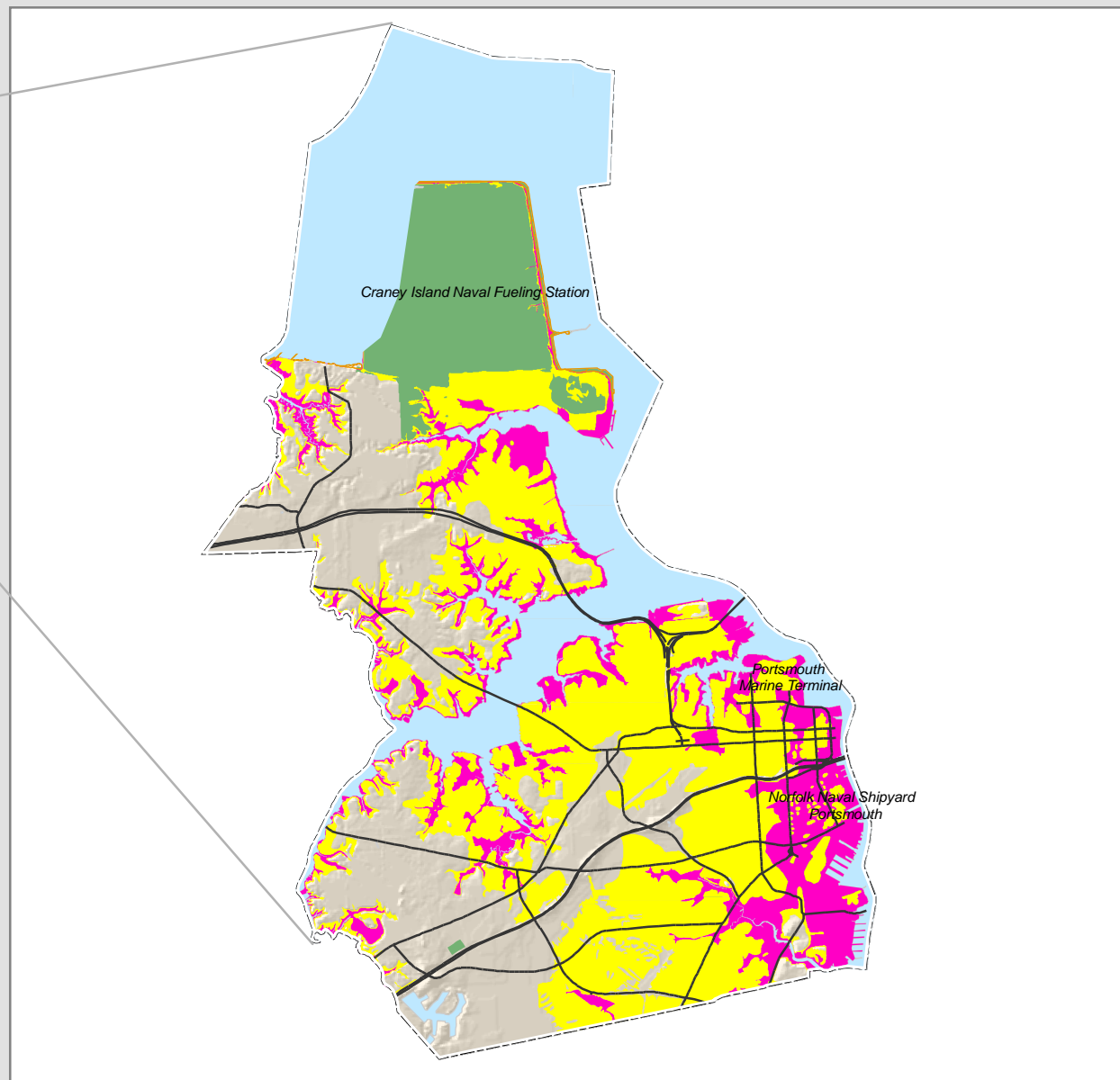
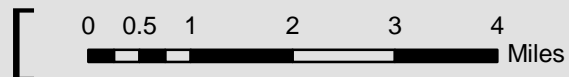


FIGURE 4.5
SPECIAL FLOOD HAZARD
AREAS:PORTSMOUTH

-  100-year Floodplain (Zone AE)
-  500-year Floodplain
-  Flood Zone VE
-  Major Hydrology
-  Federal Property
-  Major Roads
-  Portsmouth



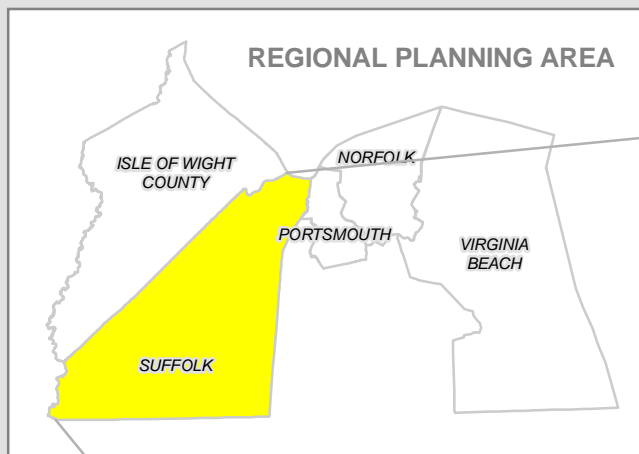
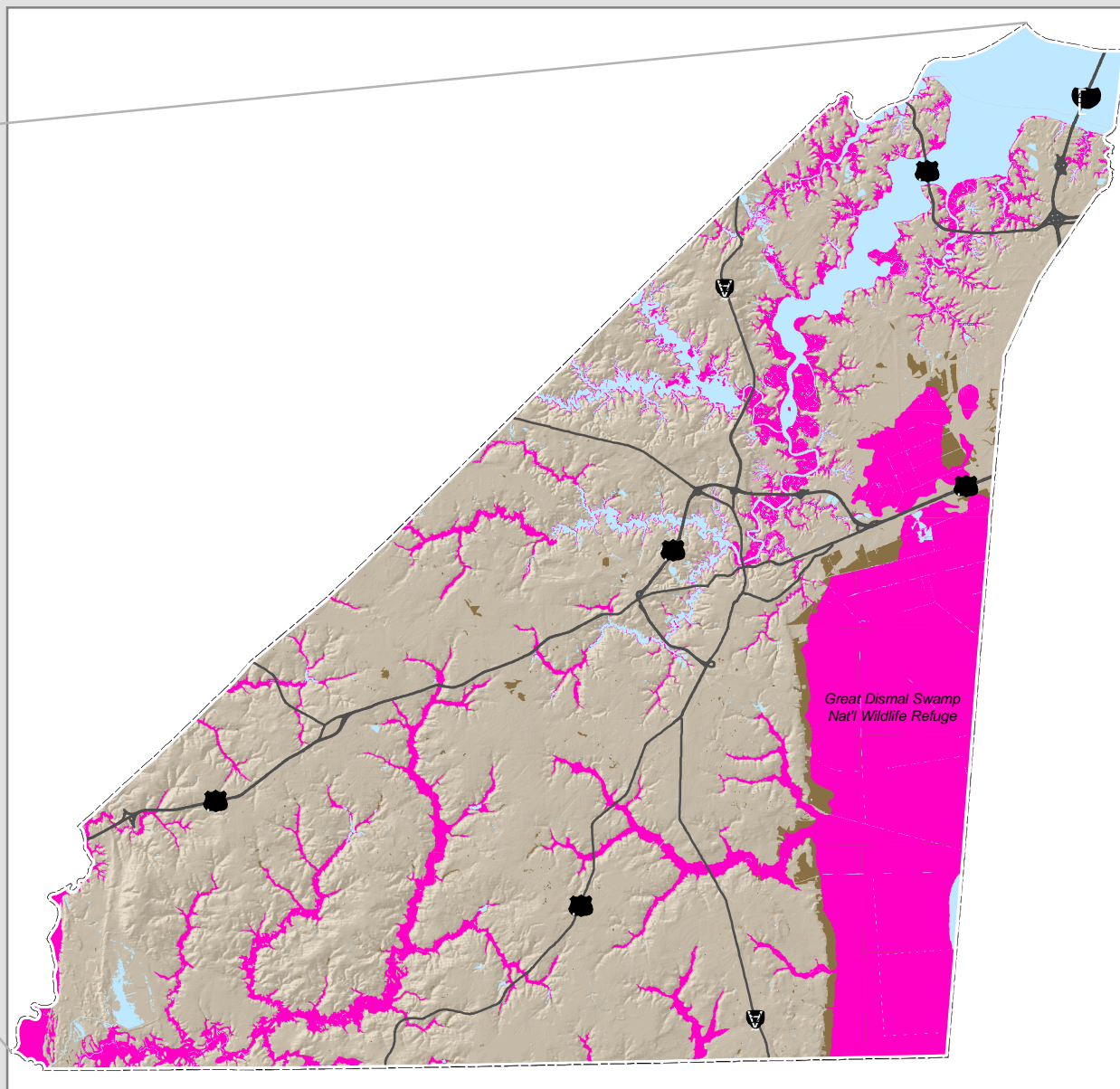
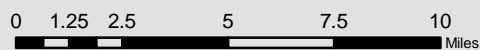


FIGURE 4.6
SPECIAL FLOOD
HAZARD AREAS: SUFFOLK

-  100-year Floodplain
-  Lakes, Rivers and Streams
-  Swamps and Marshes
-  Major Roads
-  Rail Line
-  Suffolk



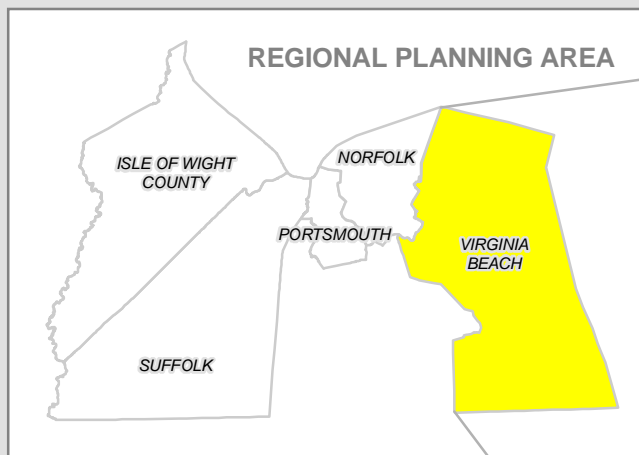


FIGURE 4.7
SPECIAL FLOOD HAZARD AREAS:
VIRGINIA BEACH

- Floodway
- 100-year Floodplain
- Flood Zone VE
- Major Hydrology
- Rail Line
- State Park
- Military Reservation
- Virginia Beach

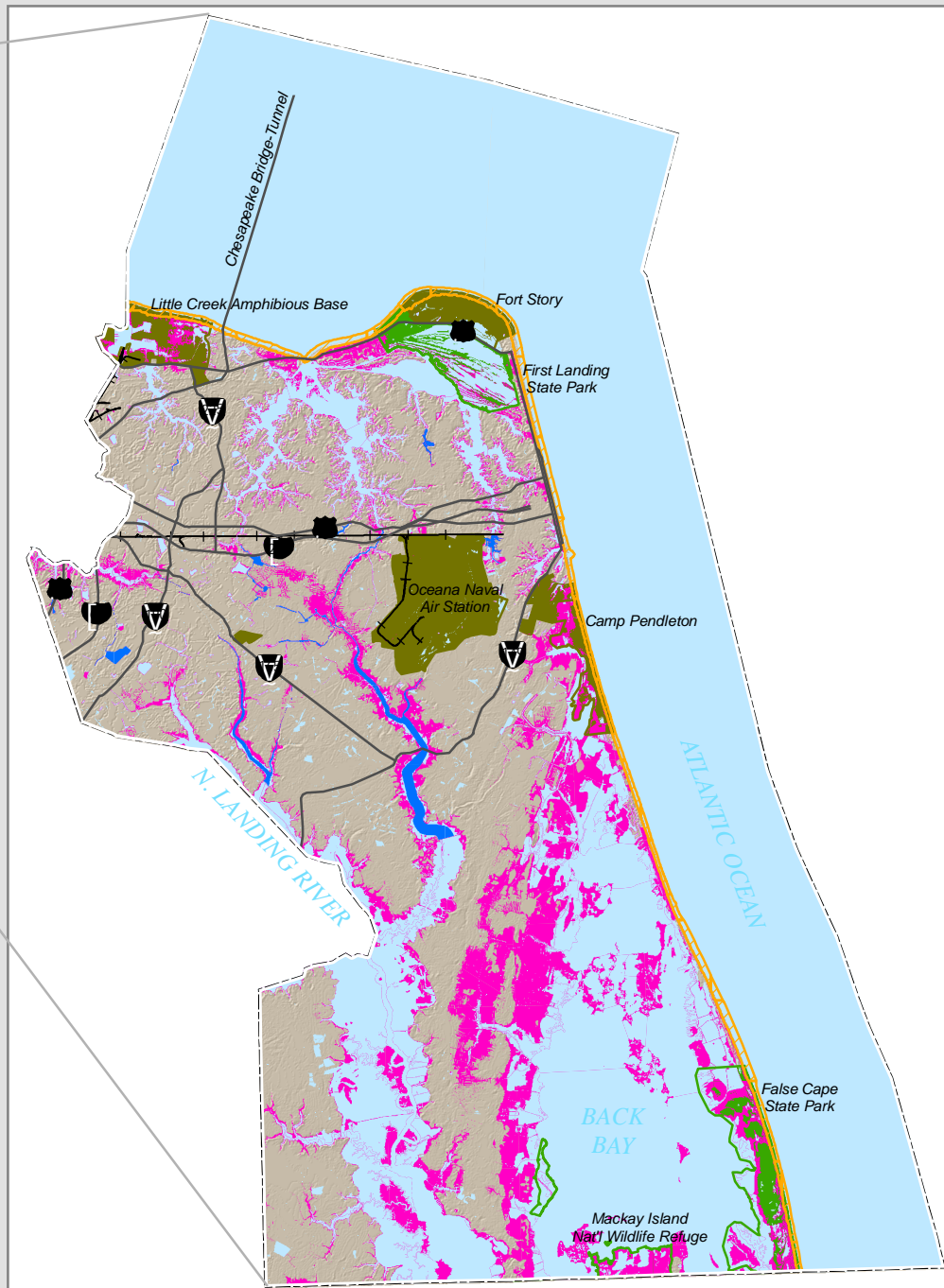
Data Sources: City of Virginia Beach;
 Federal Emergency Management Agency

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SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:



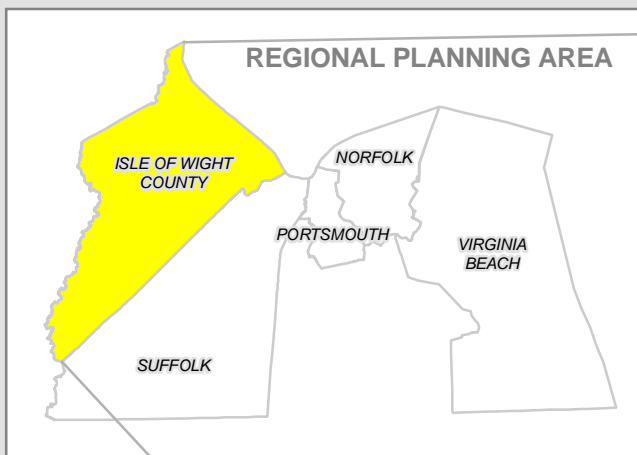
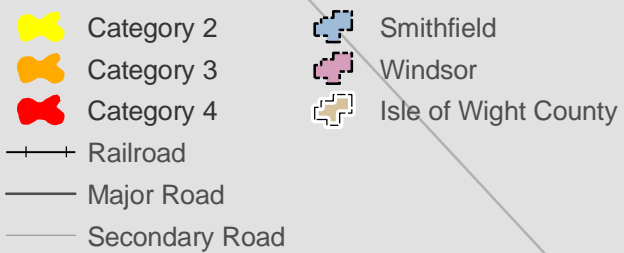
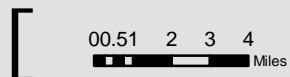


FIGURE 4.8
STORM SURGE HAZARD AREAS:
ISLE OF WIGHT COUNTY



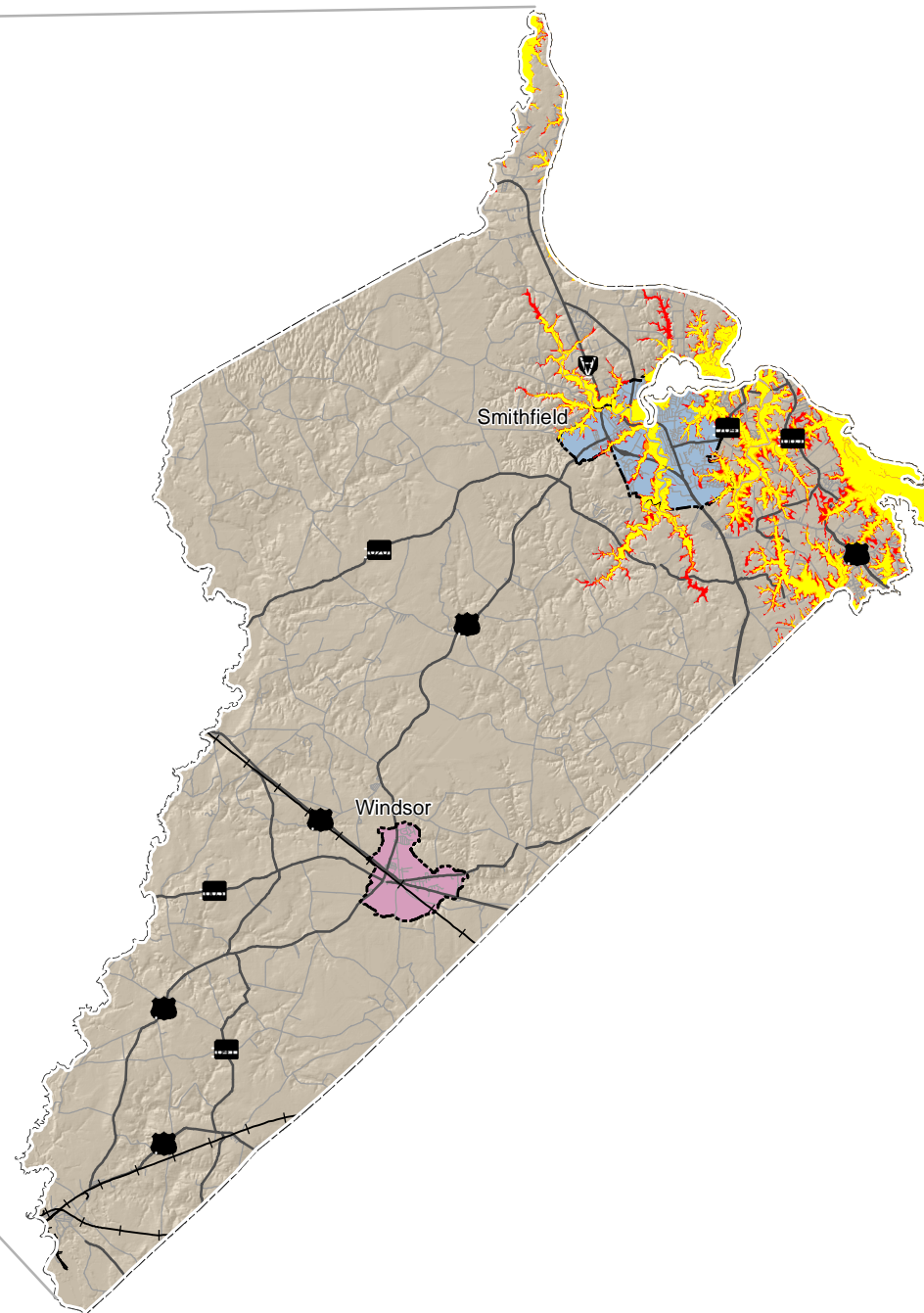
Data Sources: Isle of Wight County;
 National Oceanic and Atmospheric Administration's (NOAA) National Weather Service

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SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:



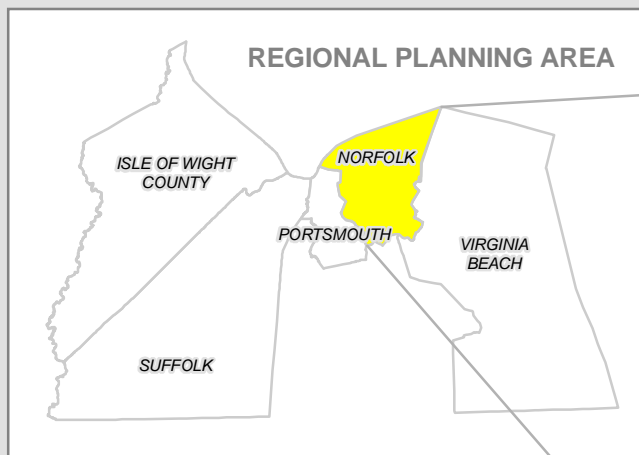
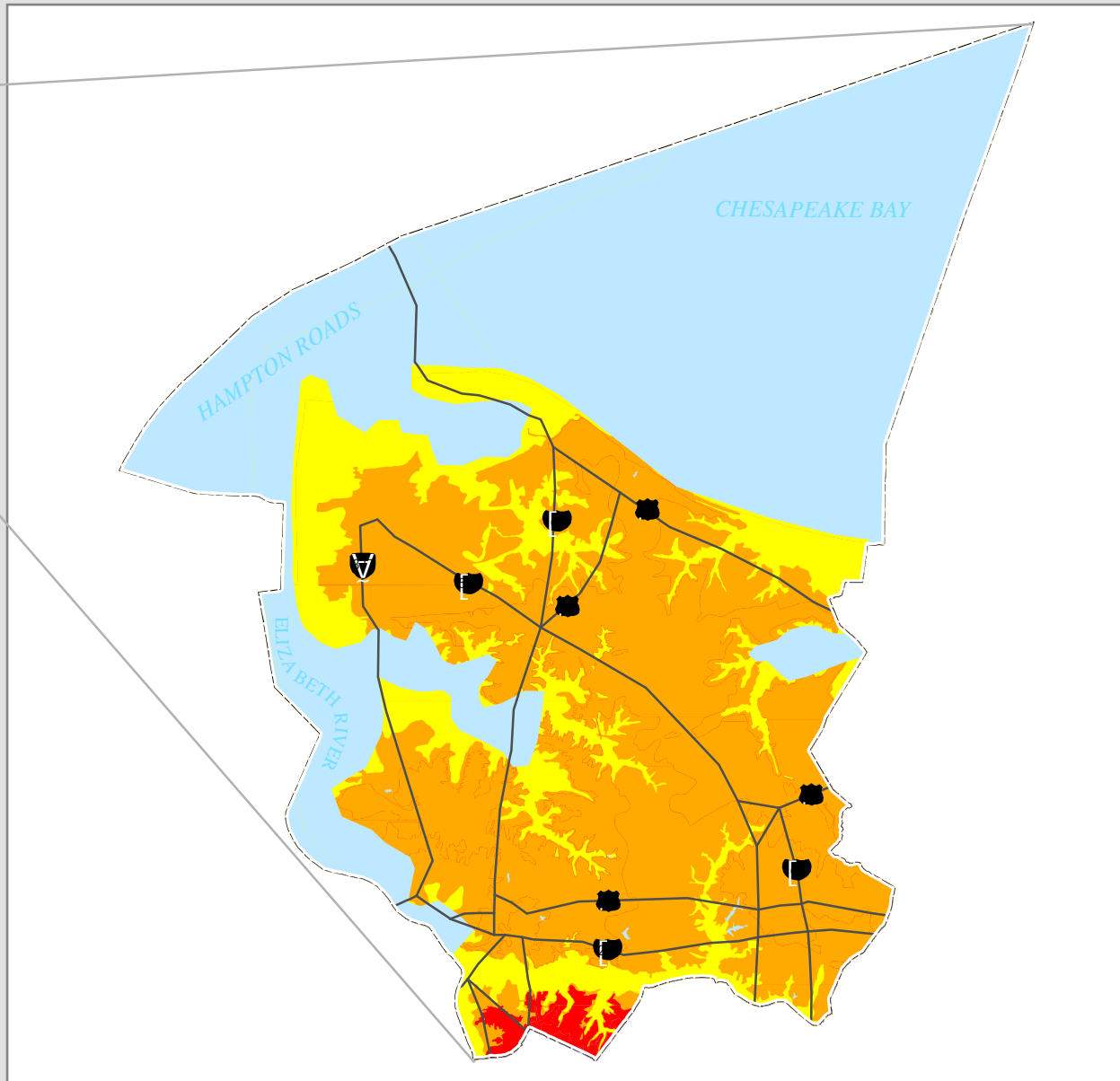


FIGURE 4.9
STORM SURGE HAZARD
AREAS: NORFOLK

- Category 2
- Category 3
- Category 4
- Major Roads
- Lakes, Ponds and Water Bodies
- Norfolk

0 0.5 1 2 3 4 Miles



SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:

PBSJ

Data Sources: City of Norfolk; The National Atlas;
 National Oceanic and Atmospheric Administration's (NOAA) National Weather Service

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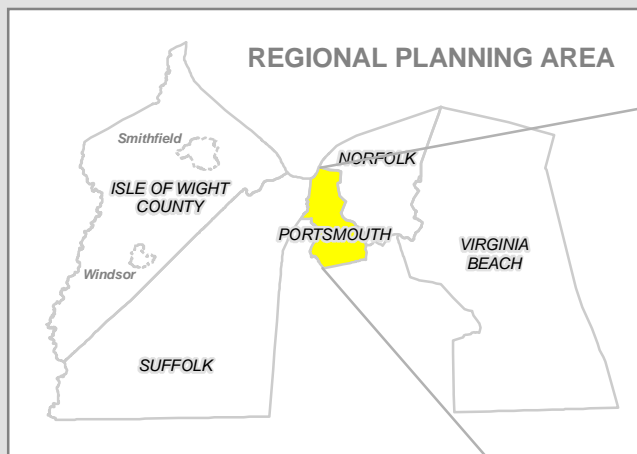







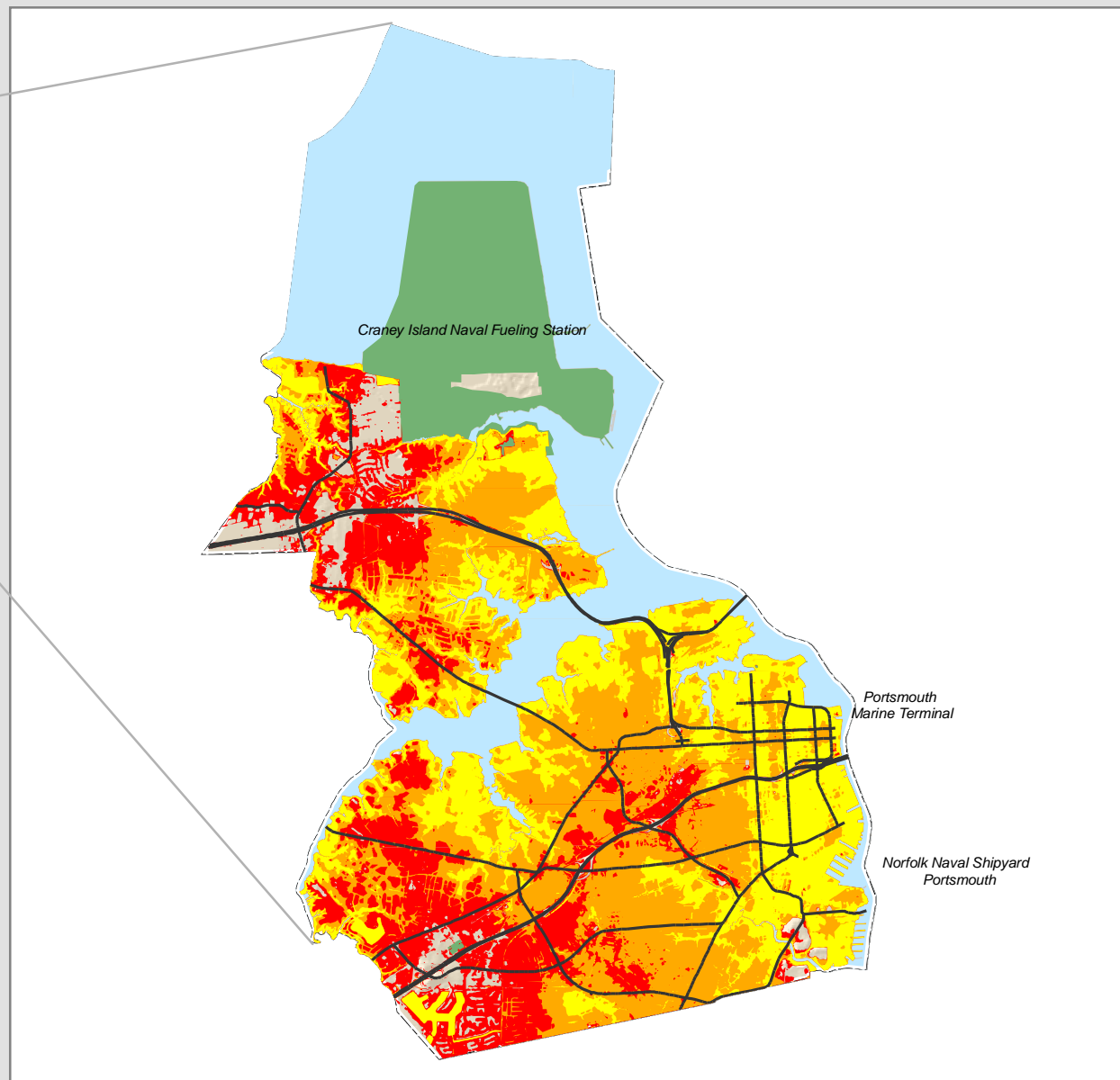
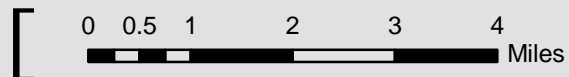


FIGURE 4.10
STORM SURGE HAZARD
AREAS:PORTSMOUTH

-  Category 2
-  Category 3
-  Category 4
-  Major Hydrology
-  Federal Property
-  Major Roads
-  Portsmouth



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: City of Portsmouth, National Oceanic and Atmospheric Administration's (NOAA)
National Weather Service

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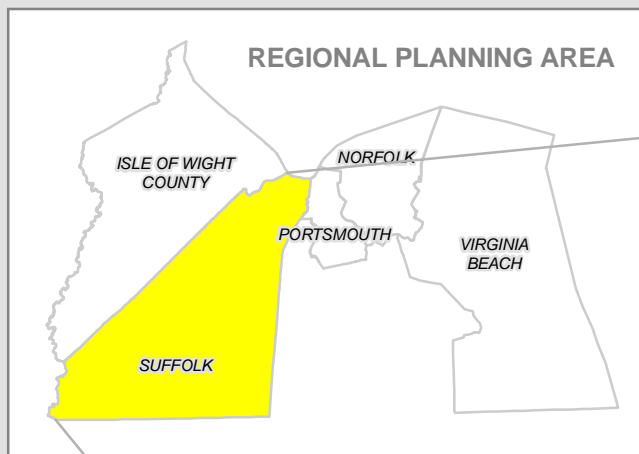
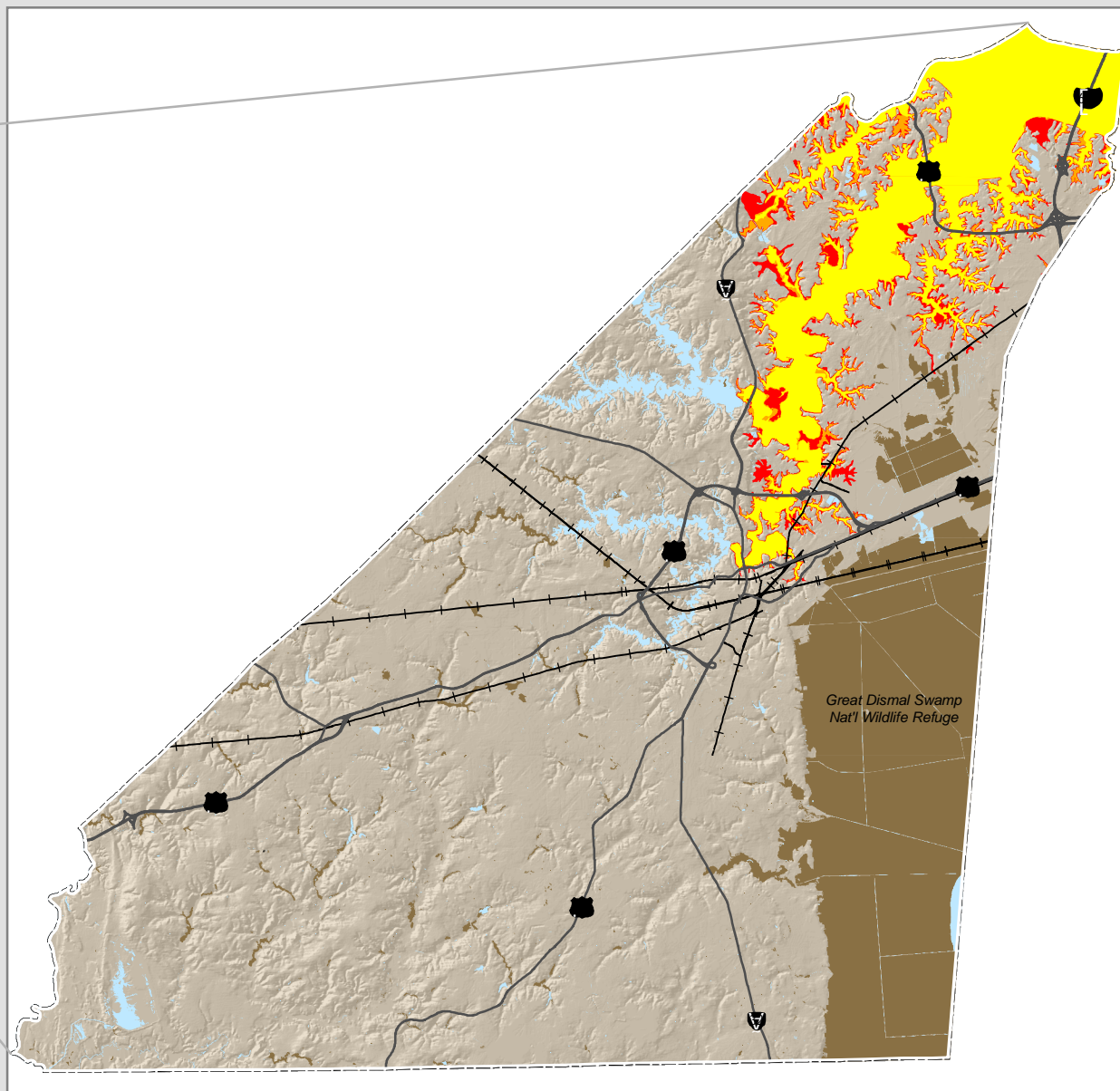


FIGURE 4.11
STORM SURGE
HAZARD AREAS: SUFFOLK

- Category 2
- Category 3
- Category 4
- Lakes, Rivers and Streams
- Swamps and Marshes
- Major Roads
- Rail Line
- Suffolk

0 1.25 2.5 5 7.5 10 Miles



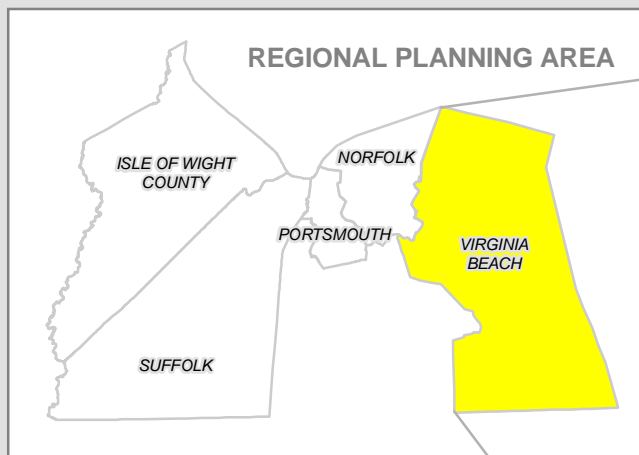







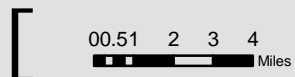


FIGURE 4.12
STORM SURGE HAZARD AREAS:
VIRGINIA BEACH

-  Category 2 Hurricane
-  Category 3 Hurricane
-  Category 4 Hurricane
-  Major Hydrology
-  Major Road
-  Rail Line
-  Virginia Beach

Data Sources: City of Virginia Beach;
 National Oceanic and Atmospheric Administration's (NOAA) National Weather Service

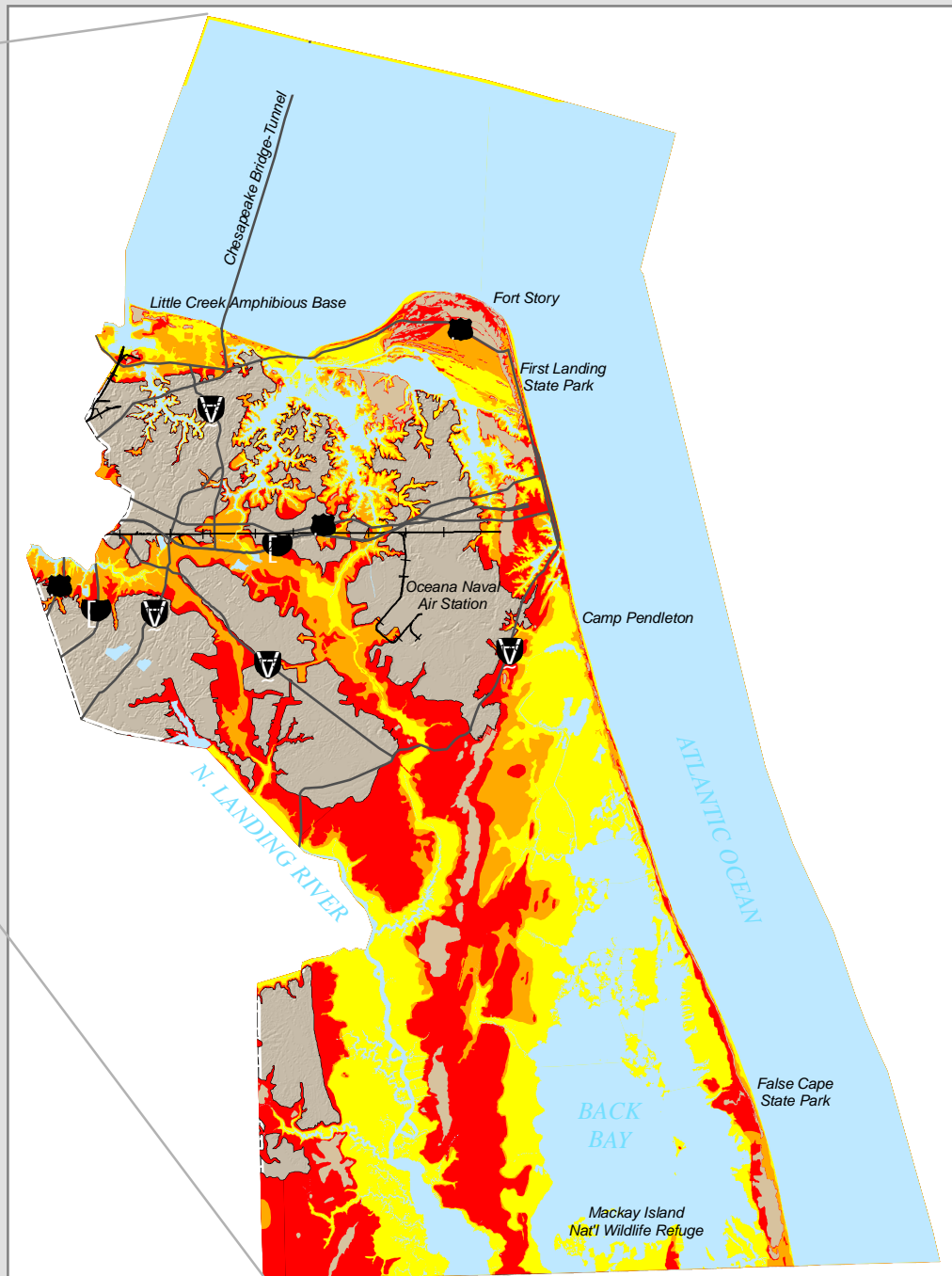
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SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:

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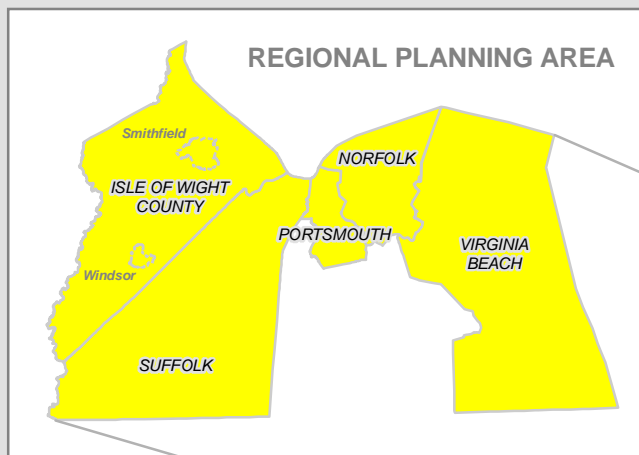
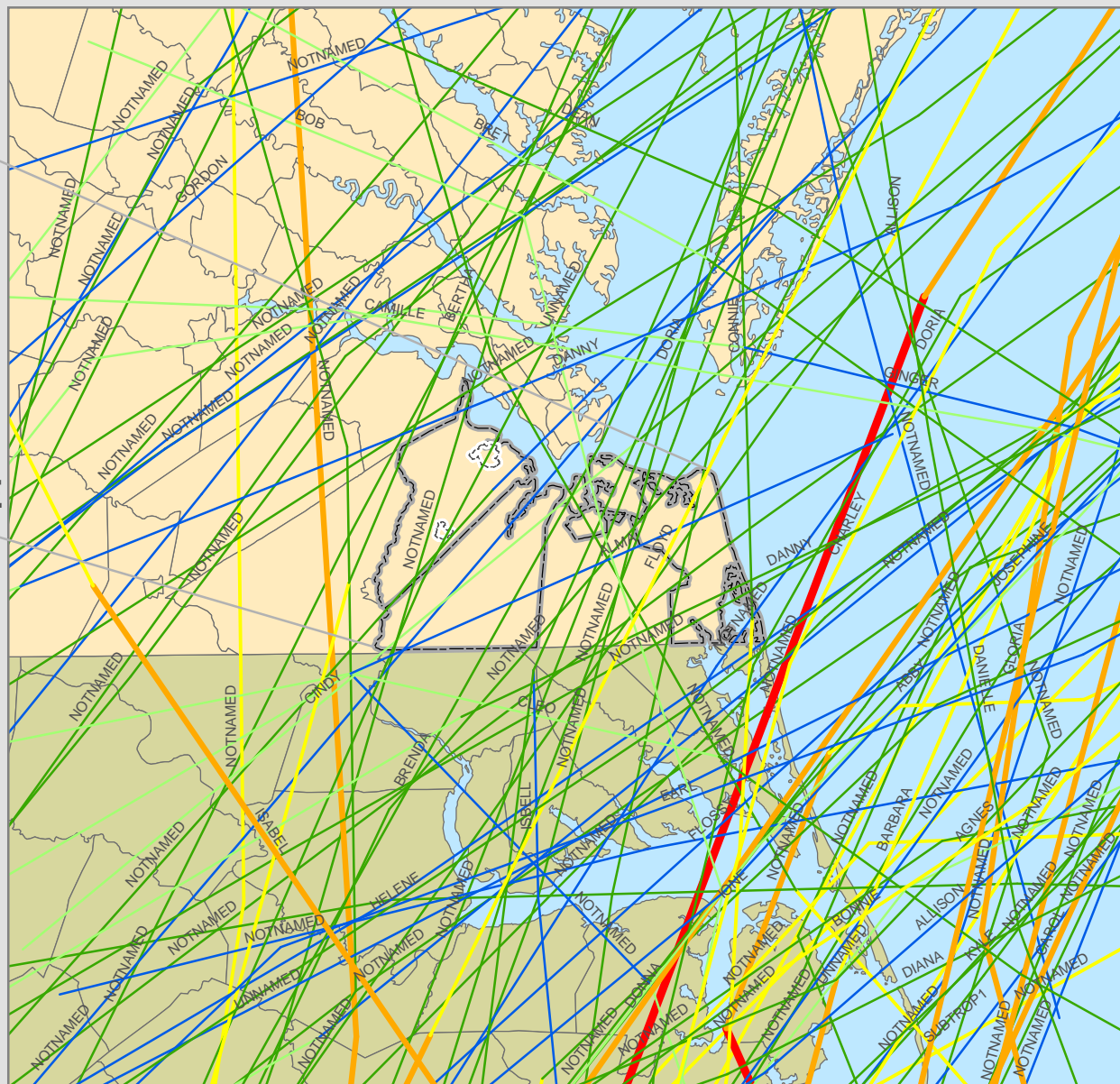
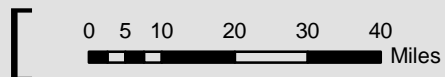


FIGURE 4.14
HISTORIC TROPICAL CYCLONE
STORM TRACKS

- Category 3 Hurricane
- Category 2 Hurricane
- Category 1 Hurricane
- Tropical Storm
- Tropical Depression
- Extratropical Storm
- Regional Planning Area
- Virginia Jurisdictions
- North Carolina Counties



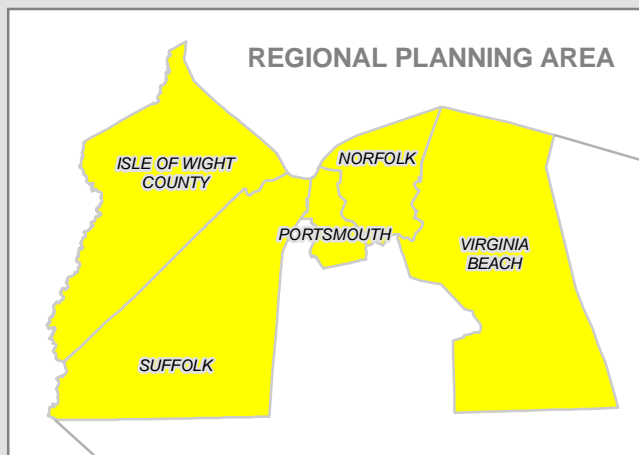
SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:



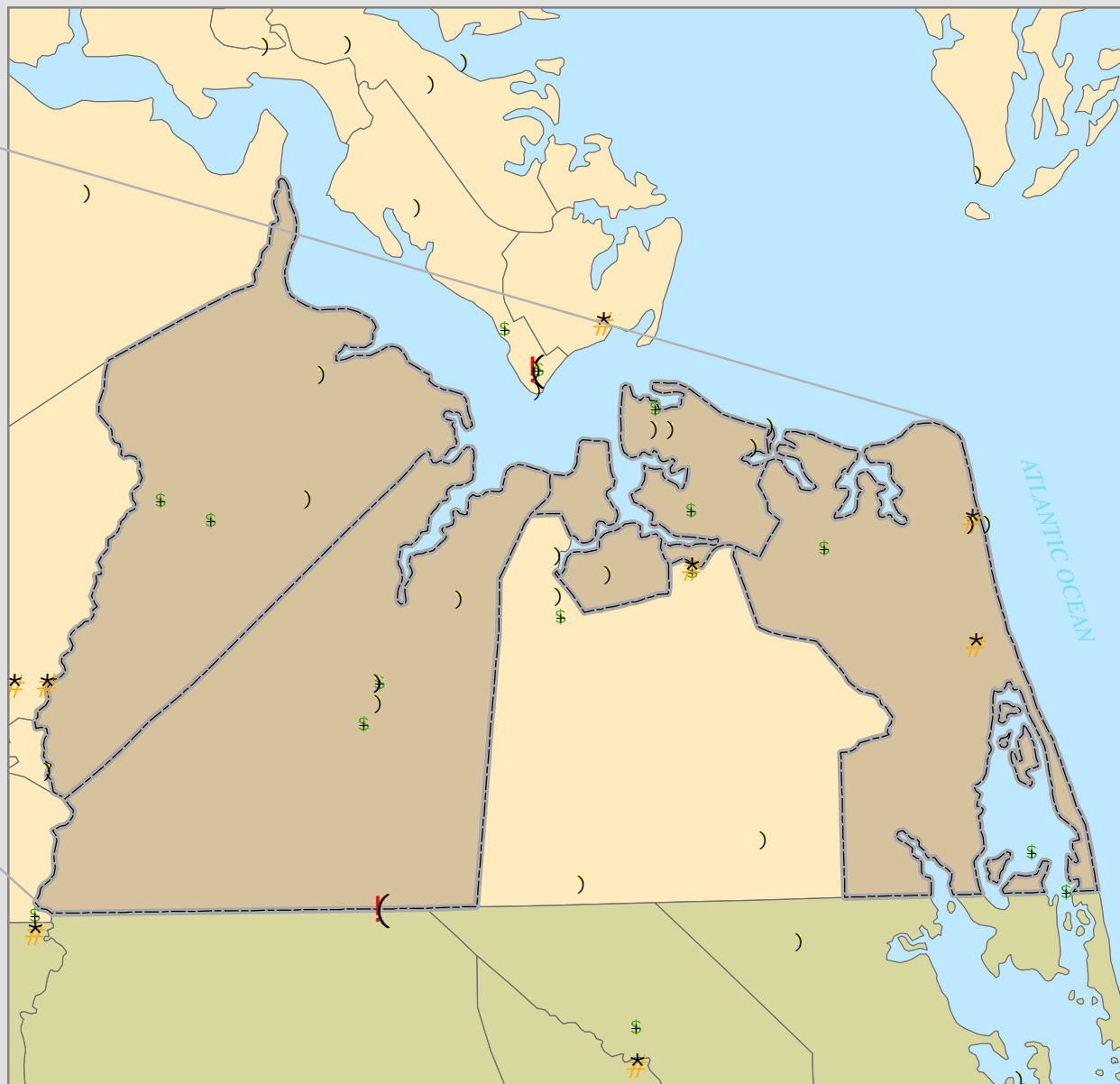
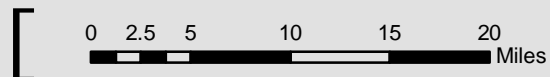
Data Sources: National Hurricane Center

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**FIGURE 4.20
TORNADOES**

- (F3 Tornado
- * F2 Tornado
-) F1 Tornado
- \$ F0 Tornado
- Regional Planning Area
- Virginia Jurisdictions
- North Carolina Counties



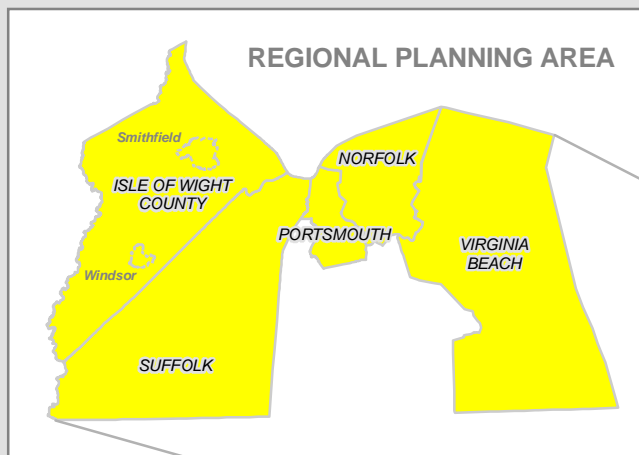
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HAZARD MITIGATION PLAN

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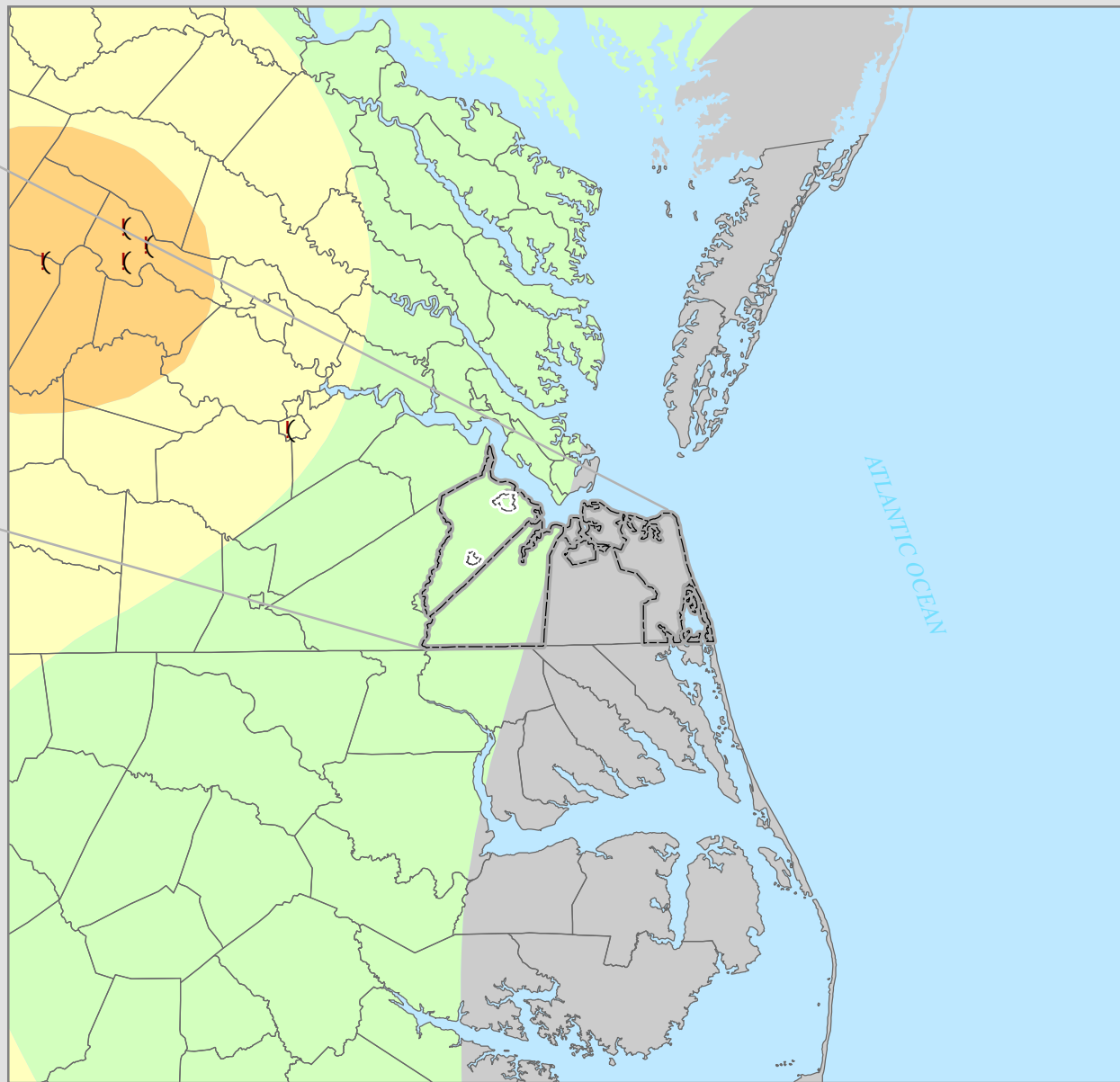
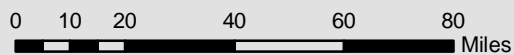


Data Sources: National Climatic Data Center

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**FIGURE 4.22
PEAK GROUND
ACCELERATION**



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Note: Peak Acceleration (%g) with a 10% Probability of Exceedance in 50 Years

Data Sources: United States Geological Survey

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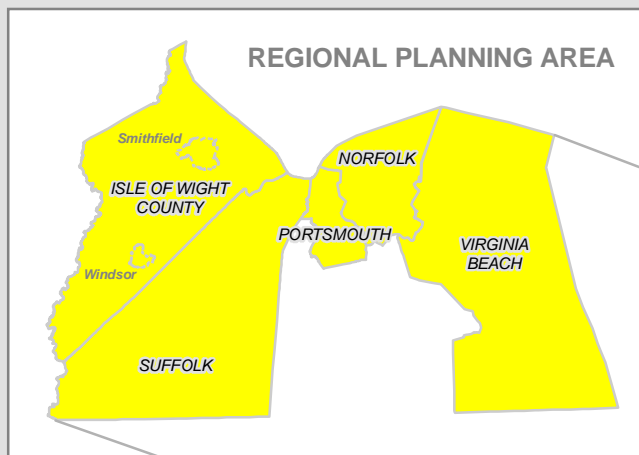
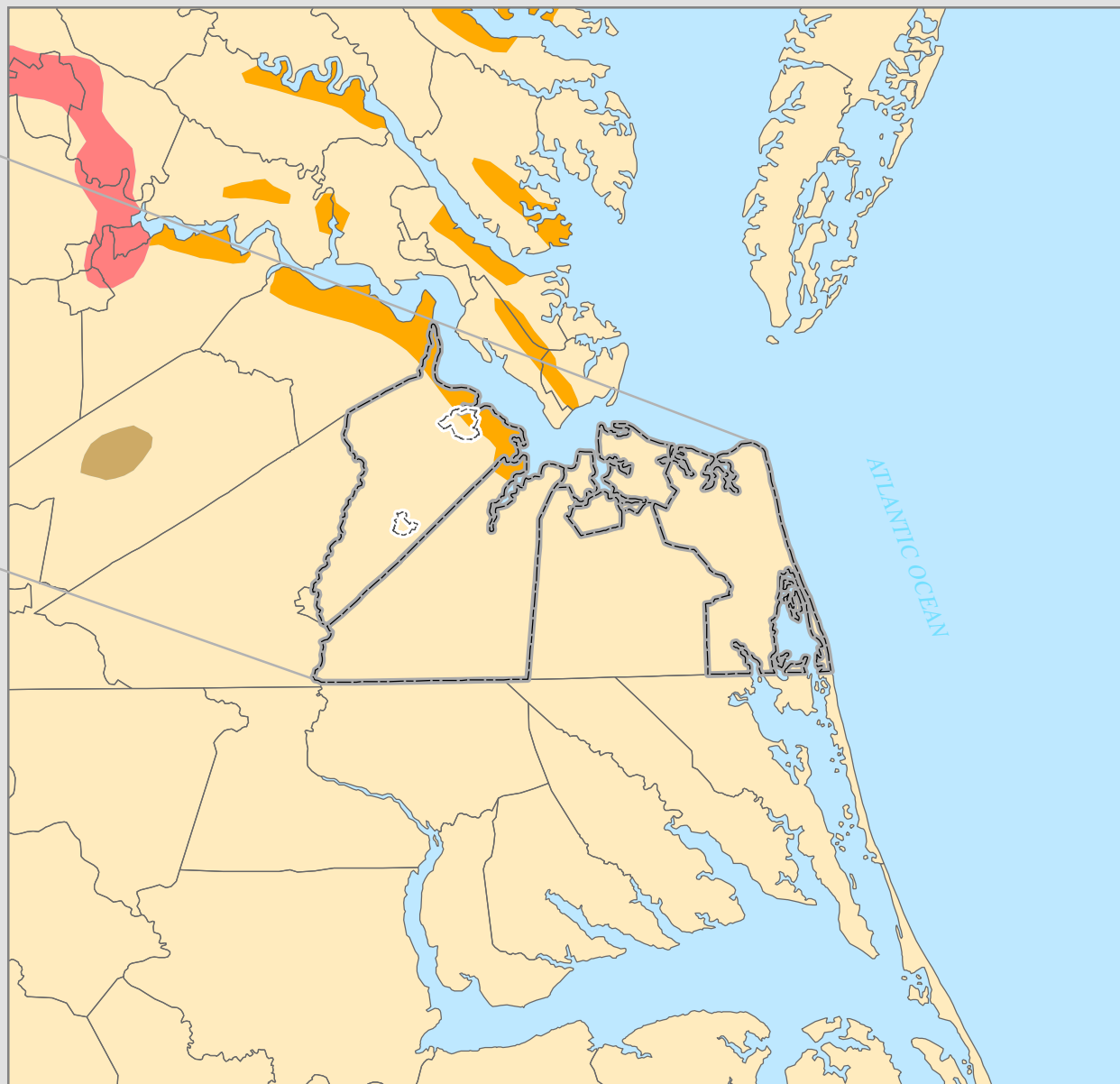


FIGURE 4.24
LANDSLIDE INCIDENCE
AND SUSCEPTIBILITY

- High Susceptibility/Moderate Incidence
- High Susceptibility/Low Incidence
- Moderate Incidence
- Low Incidence
- Regional Planning Area
- Surrounding Jurisdictions



0 5 10 20 30 40 Miles

SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: United States Geological Survey

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FIGURE 4.26
WILDFIRE THREAT

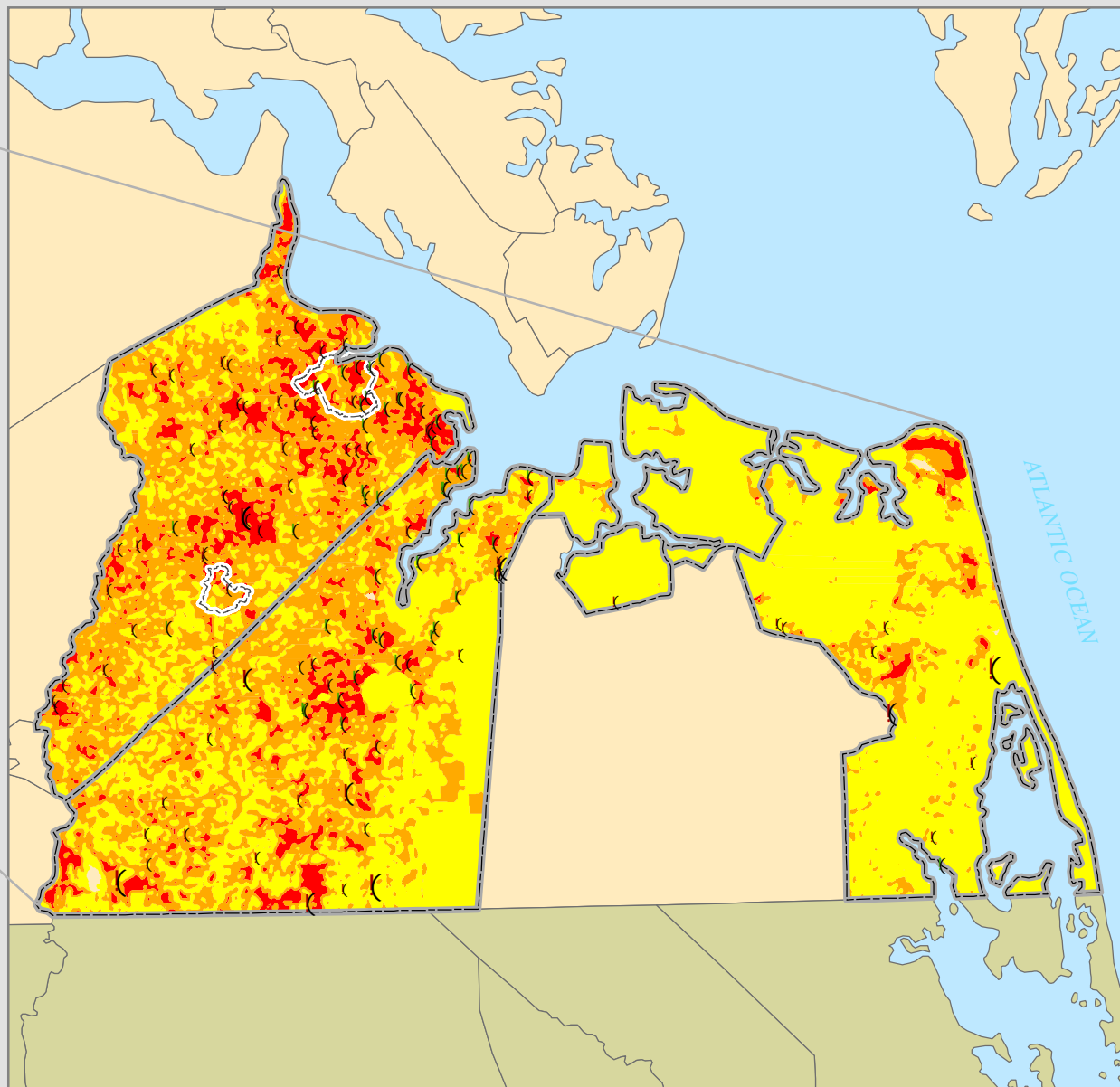
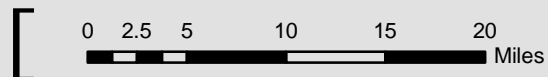
Historic Wildfire Incidents

- (< 15 Acres
- (15 to 79 Acres
- (80 to 200 Acres

Wildfire Threat Levels

- High
- Moderate
- Low

- (Woodland Home Community
- Regional Planning Area
- Virginia Jurisdictions
- North Carolina Counties



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: Virginia Department of Forestry

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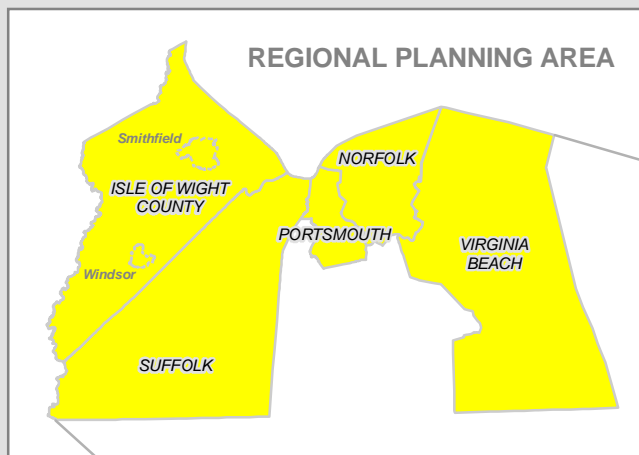
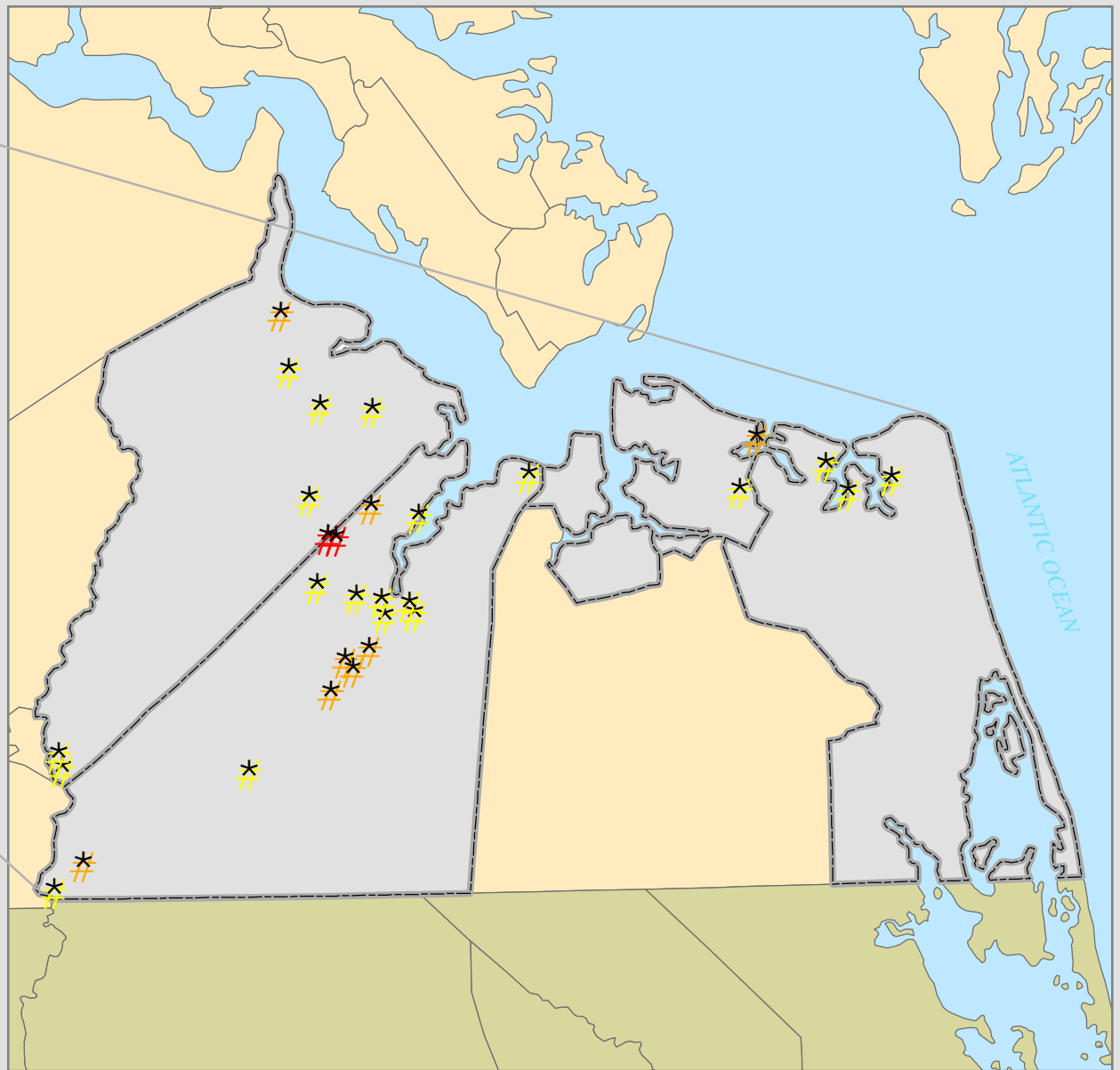
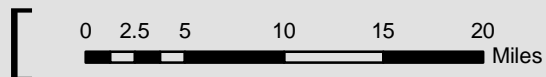


FIGURE 4.27
DAMS

- High Hazard Dam
- Significant Hazard Dam
- Low Hazard Dam
- Regional Planning Area
- Virginia Jurisdictions
- North Carolina Counties



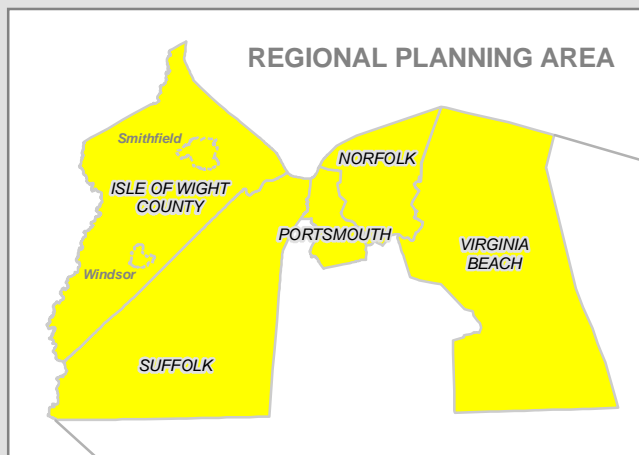
SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:

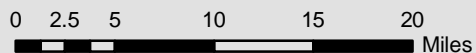
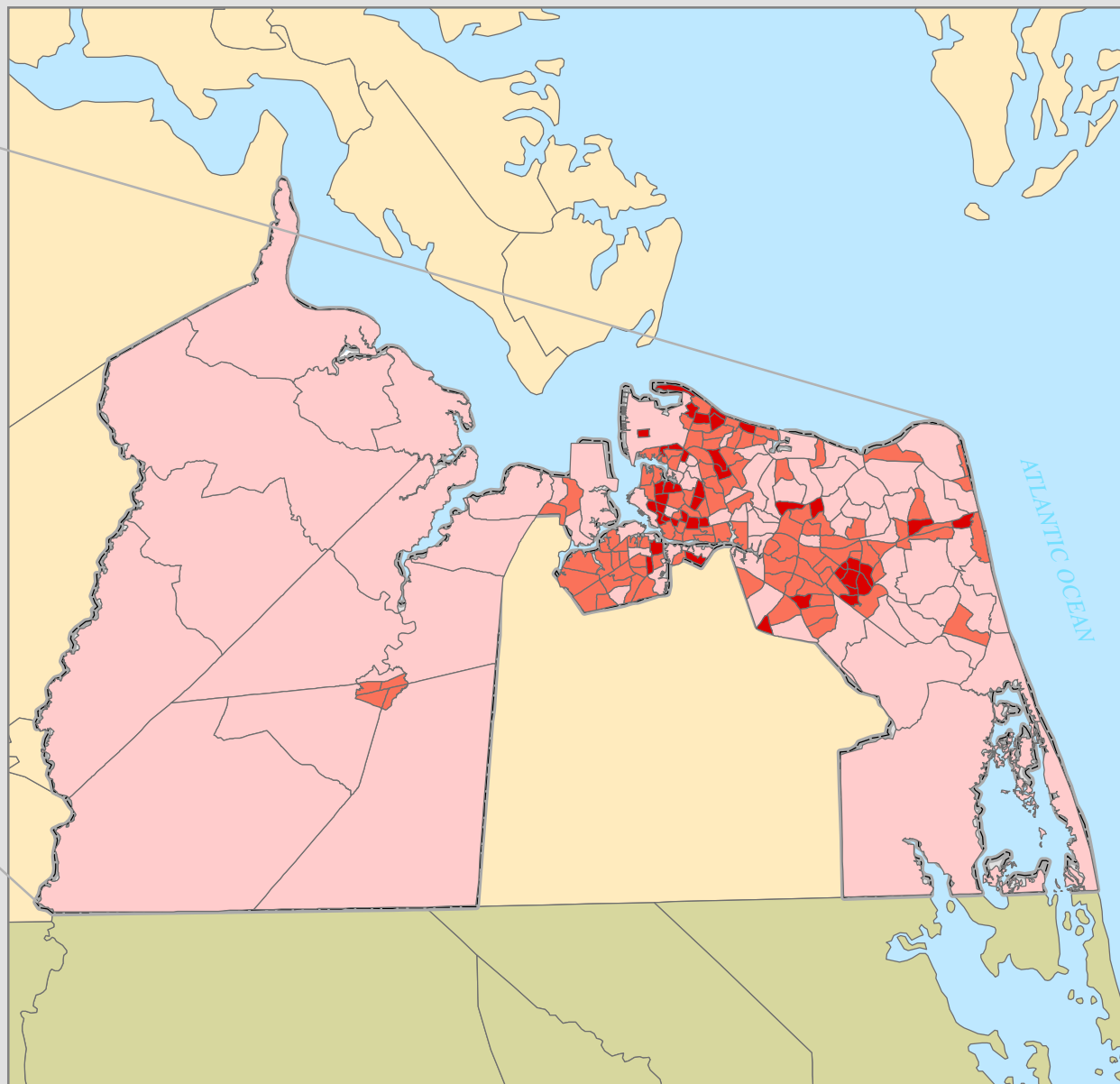
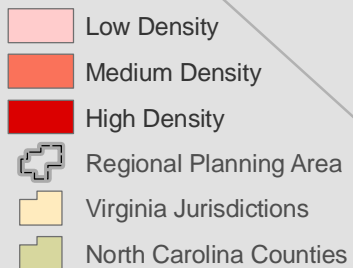


Data Sources: National Dam Inventory

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**FIGURE 5.2
POPULATION DENSITY**



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: HAZUS-MH, US Census Bureau

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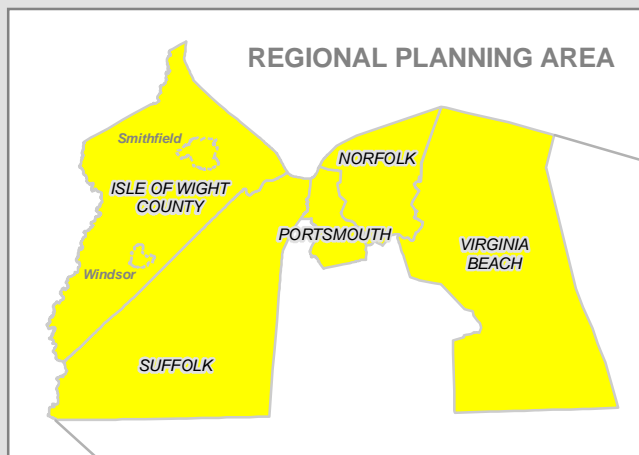
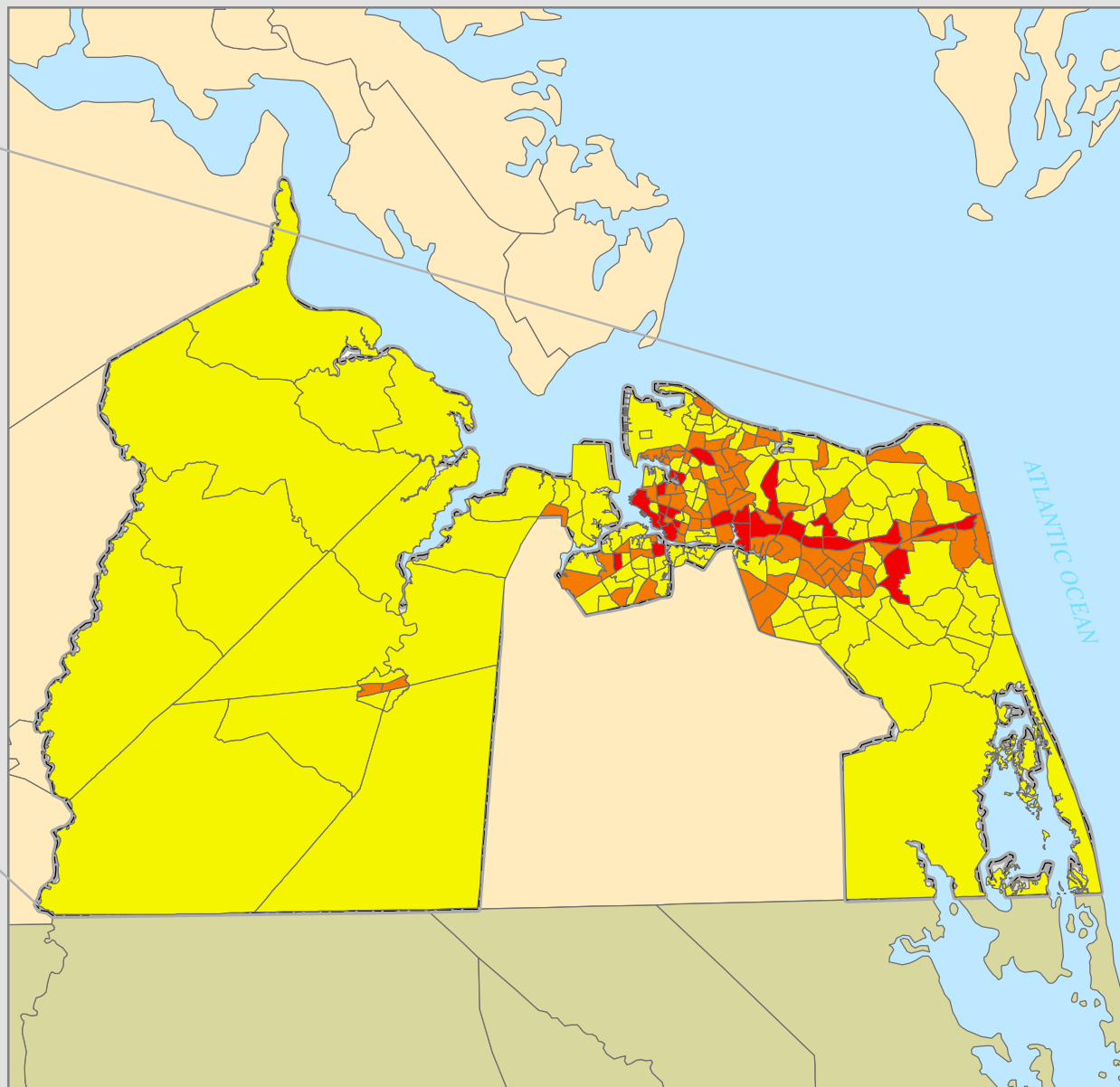
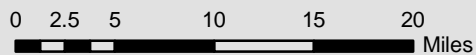
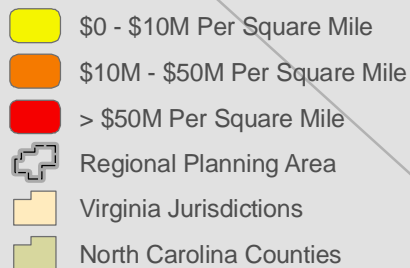


FIGURE 5.3
COMMERCIAL EXPOSURE



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:

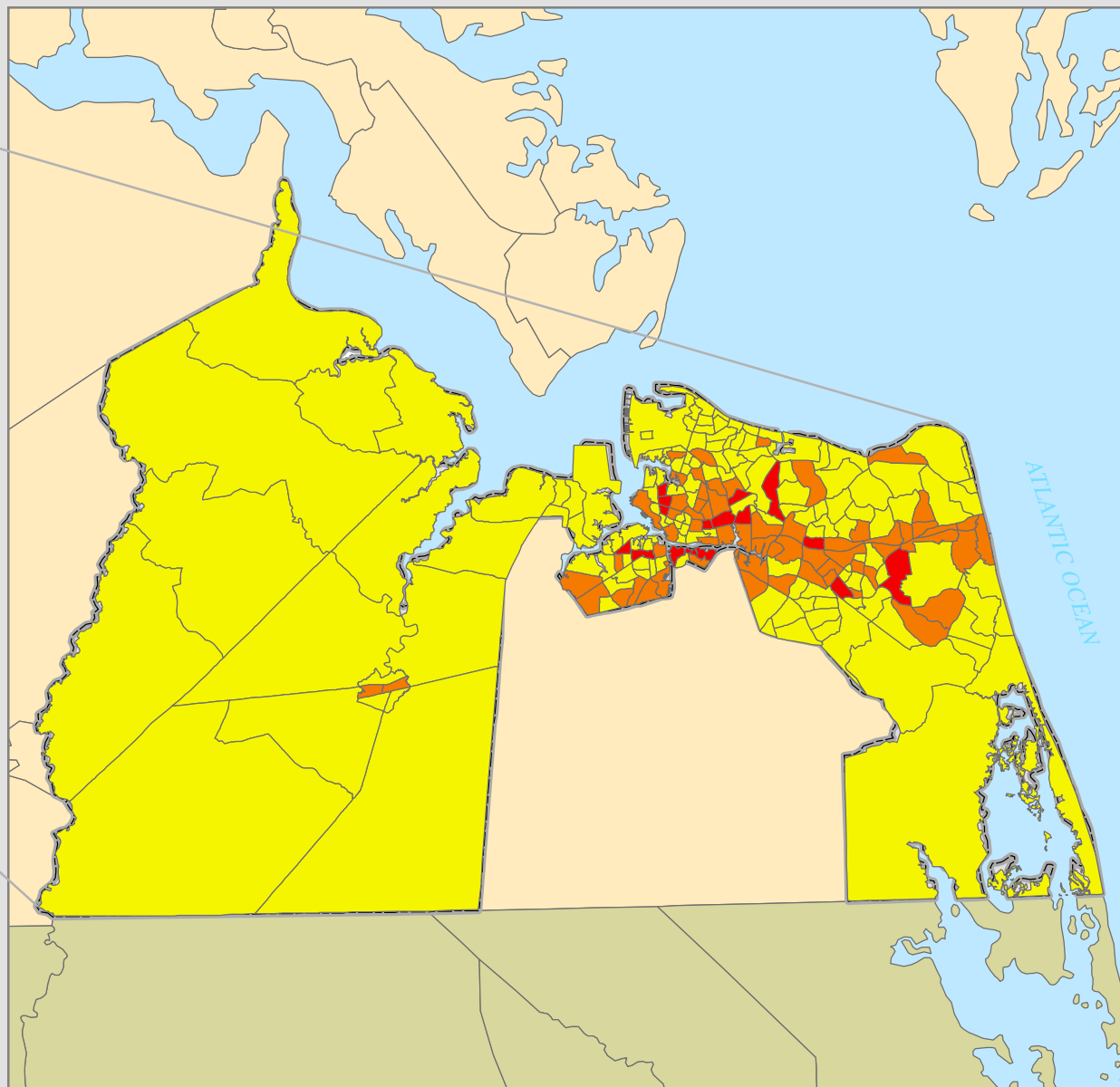
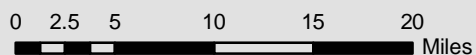
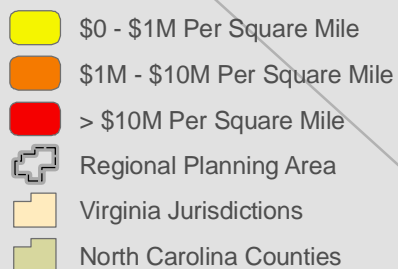


Data Sources: Dun and Bradstreet

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FIGURE 5.4
INDUSTRIAL EXPOSURE



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:

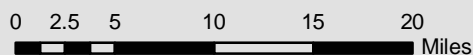
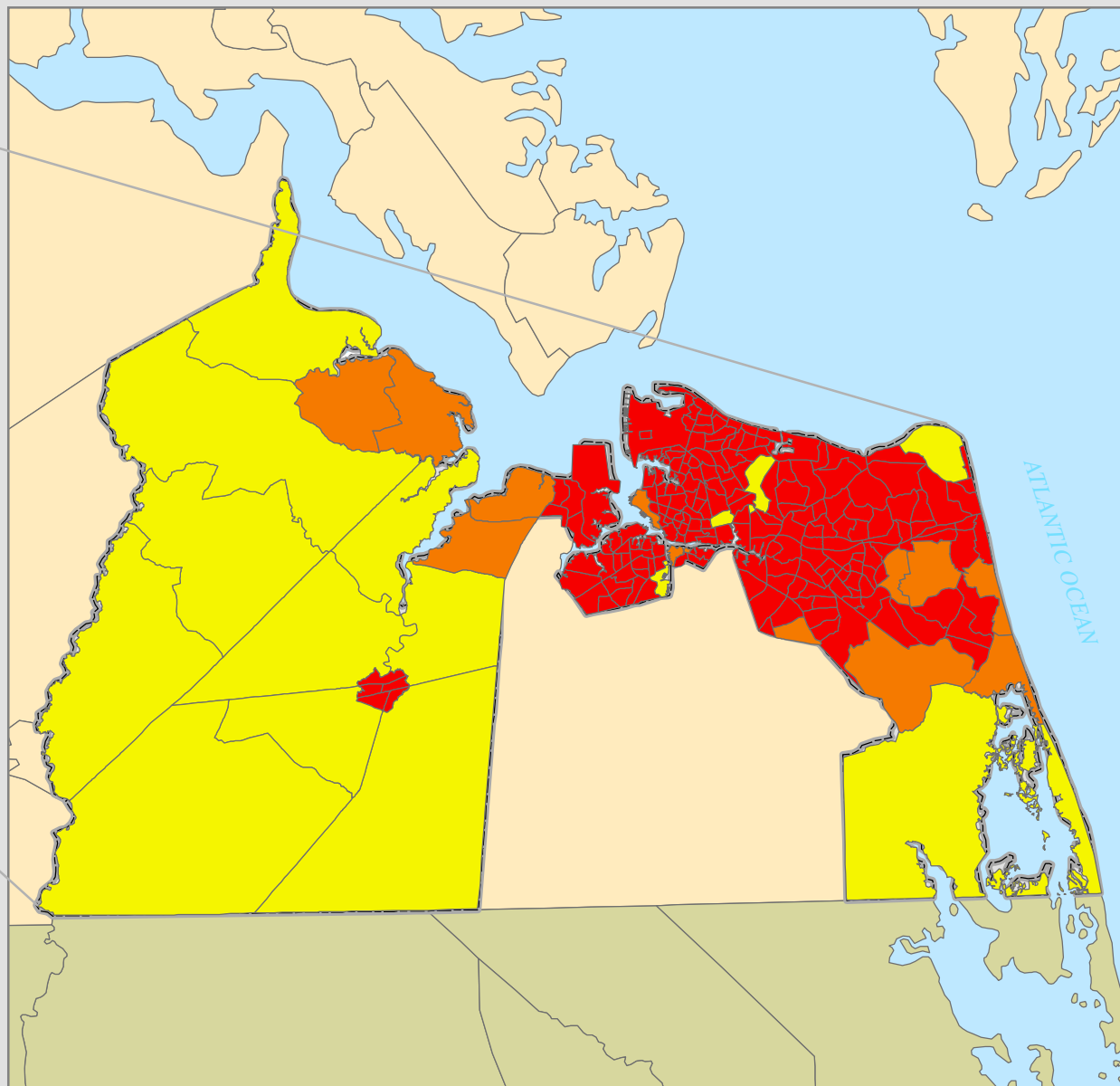
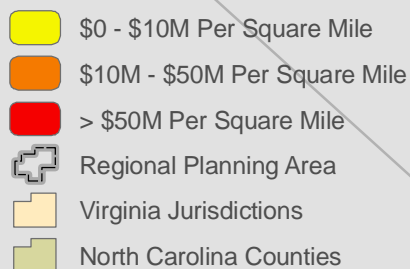


Data Sources: Dun and Bradstreet

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FIGURE 5.5
RESIDENTIAL EXPOSURE



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: Dun and Bradstreet

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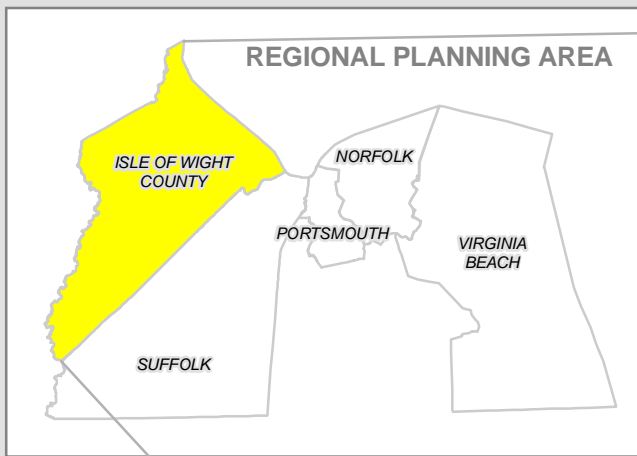
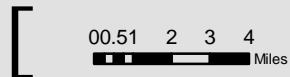


FIGURE AB.1
CRITICAL FACILITIES:
ISLE OF WIGHT COUNTY

- Fire Departments
- Police Facilities
- Schools
- Water Plants
- Wastewater Facilities
- Railroad
- Major Road
- Secondary Road
- Smithfield
- Windsor
- Isle of Wight County

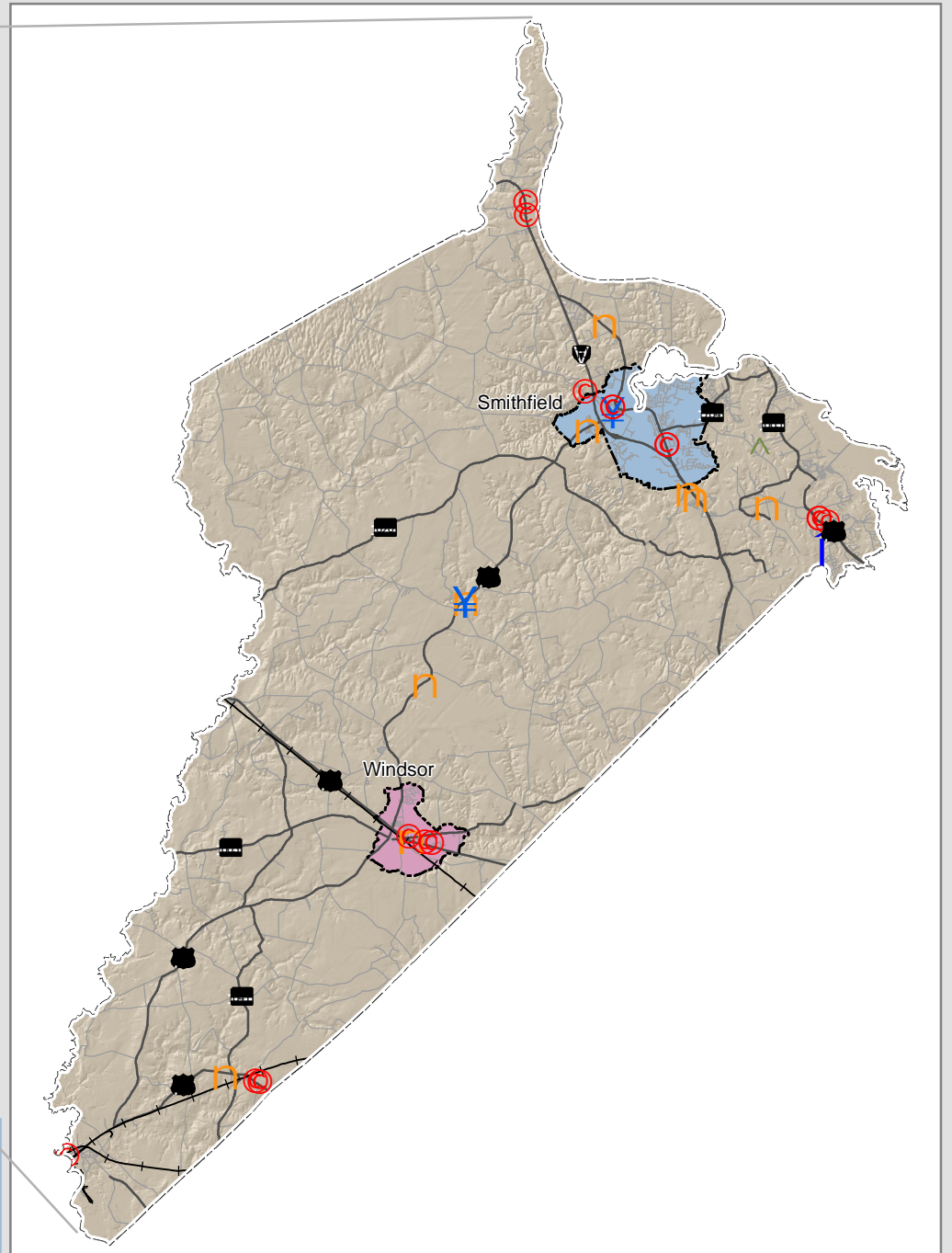


Data Sources: Isle of Wight County;
 Federal Emergency Management Agency

For Planning and/or Illustration Purposes Only

SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:



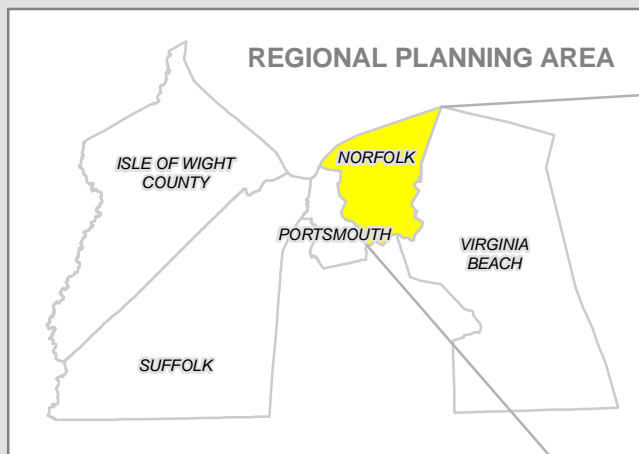
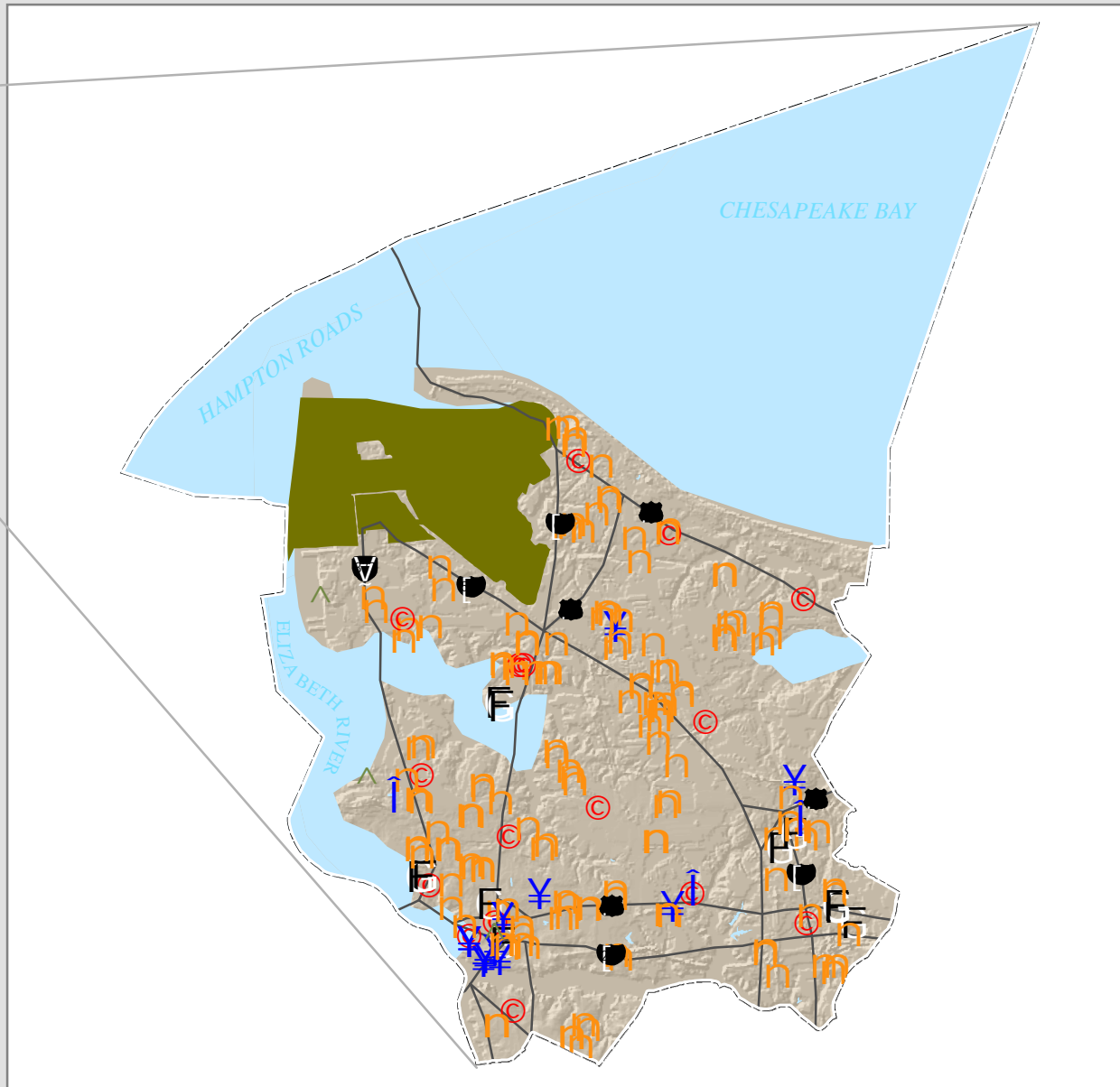
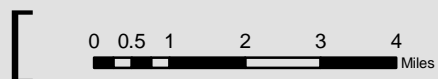


FIGURE AB.2
CRITICAL FACILITIES:
NORFOLK

- ⊙ Fire Departments
- ¥ Police Facilities
- n Schools
- E Medical Care Facilities
- ↑ Water Plants
- ^ Wastewater Facilities
- Major Roads
- ☪ Lakes, Ponds and Water Bodies
- Naval Base Norfolk
- ⊕ Norfolk



SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: City of Norfolk; The National Atlas
 Federal Emergency Management Agency

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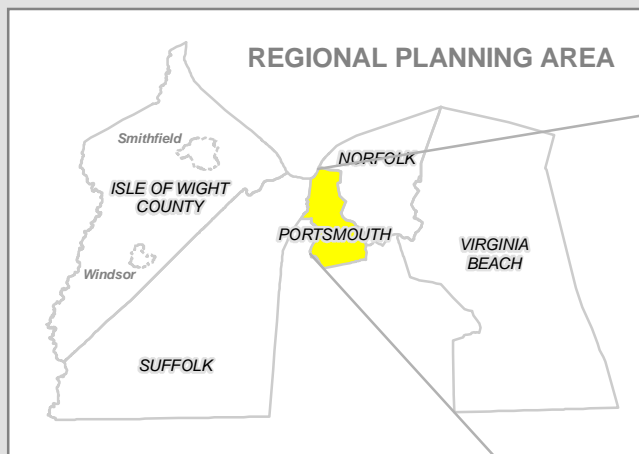
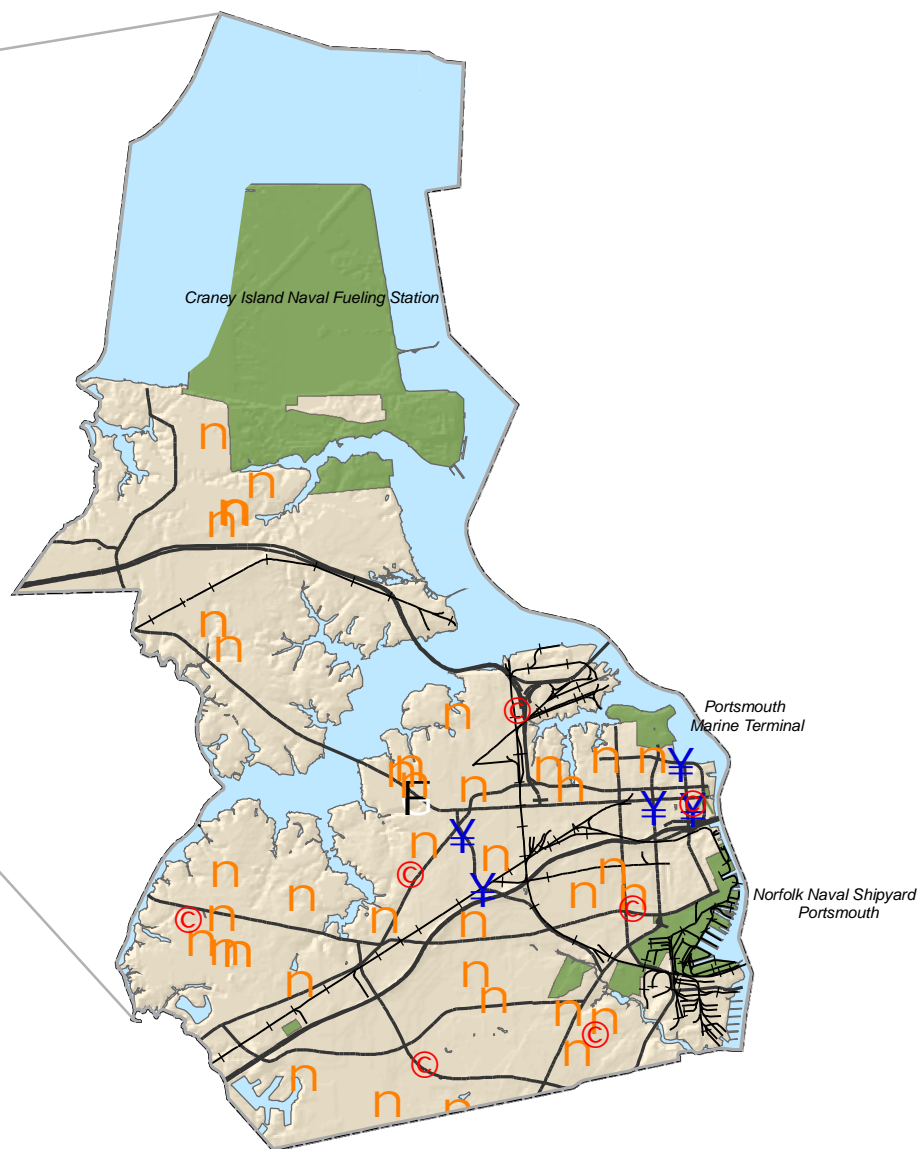


FIGURE AB.3
CRITICAL FACILITIES:
PORTSMOUTH

- ⊙ Fire Departments
- ♣ Police Facilities
- n Schools
- F Medical Care Facilities
- ^ Wastewater Facilities
- Major Roads
- + Railroads
- Major Hydrology
- Federal Property
- ⊕ Portsmouth

0 0.5 1 2 3 4 Miles



SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: City of Portsmouth, Federal Emergency Management Agency

For Planning and/or Illustration Purposes Only

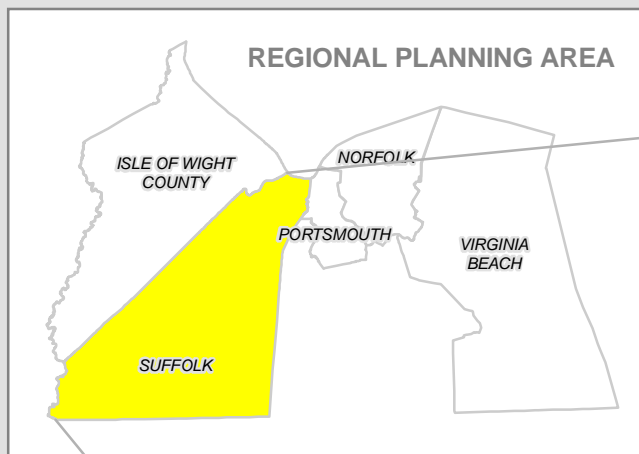
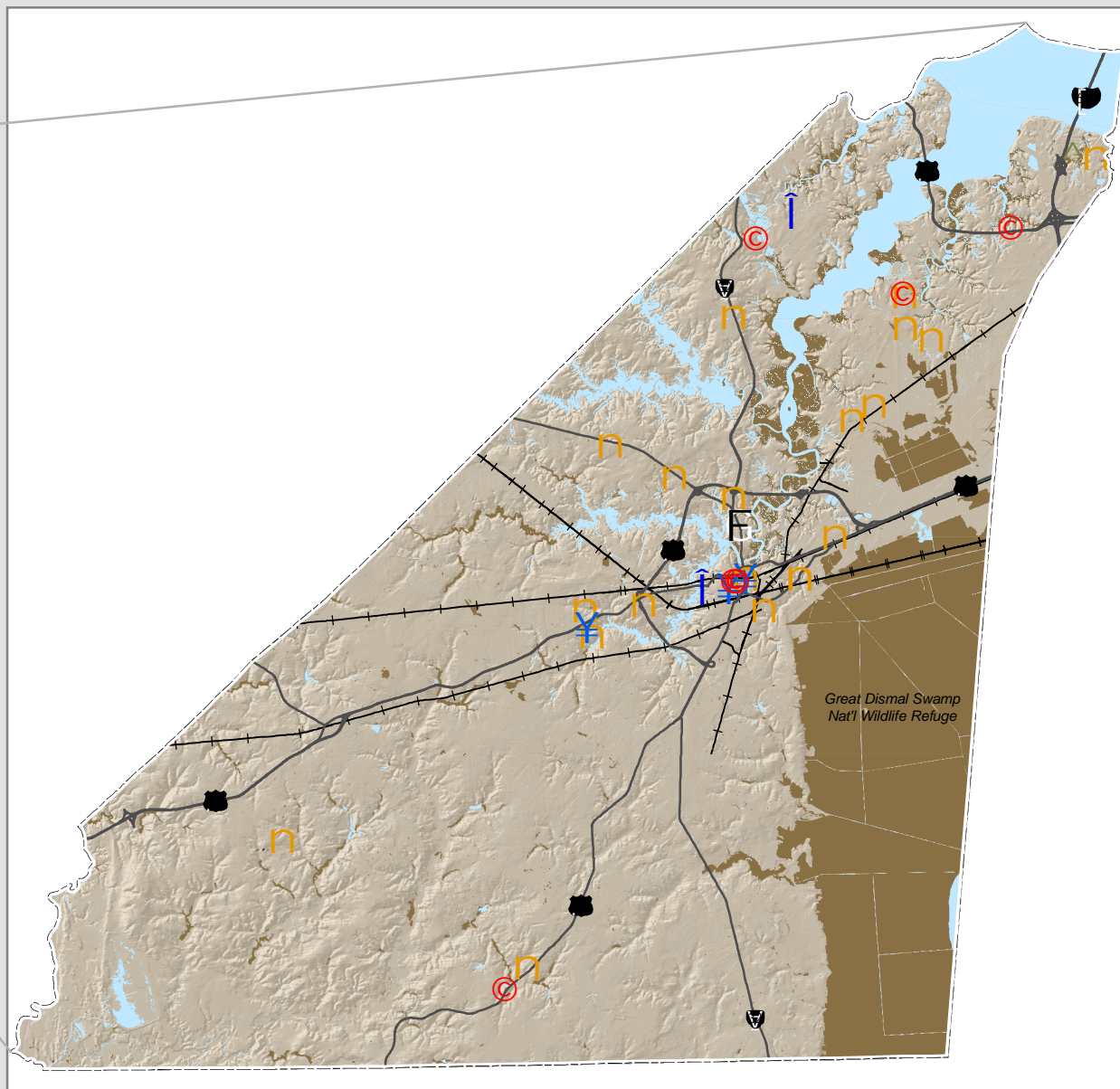


FIGURE AB.4 CRITICAL FACILITIES: SUFFOLK

- © Fire Departments
- ¥ Police Facilities
- n Schools
- E Medical Care Facilities
- ^ Wastewater Facilities
- ↑ Water Plants
- Major Roads
- + Rail Line
- Lakes, Rivers and Streams
- Swamps and Marshes
- Suffolk

0 1.25 2.5 5 7.5 10 Miles



SOUTHSIDE HAMPTON ROADS
HAZARD MITIGATION PLAN

PREPARED BY:



Data Sources: City of Suffolk;
Federal Emergency Management Agency

For Planning and/or Illustration Purposes Only

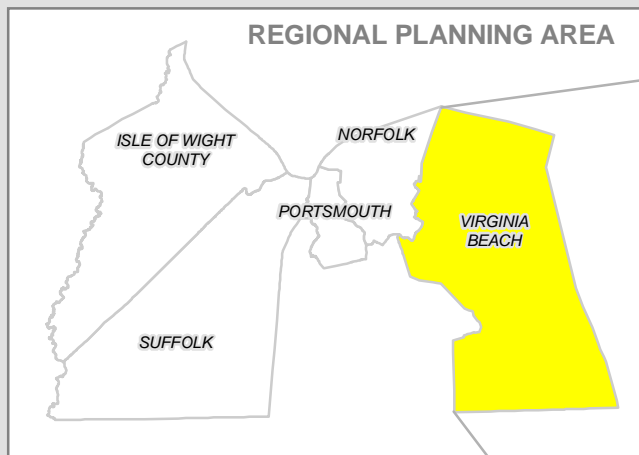


FIGURE AB.5
CRITICAL FACILITIES:
VIRGINIA BEACH

- © Fire Departments
- ¥ Police Facilities
- n Schools
- F Medical Care Facilities
- △ Wastewater Facilities
- ↑ Water Plants
- Major Hydrology
- Rail Line
- State Park
- Military Reservation
- Virginia Beach



Data Sources: City of Virginia Beach;
 Federal Emergency Management Agency
 For Planning and/or Illustration Purposes Only

SOUTHSIDE HAMPTON ROADS
 HAZARD MITIGATION PLAN

PREPARED BY:

